



## **Telecom Regulatory Authority of India**

### **The Indian Telecom Services Performance Indicators** April - June, 2012

New Delhi, India  
11<sup>th</sup> October, 2012

Mahanagar Doorsanchar Bhawan,  
Jawahar Lal Nehru Marg, New Delhi-110002  
Tel: +91-11- 23230752, Fax: +91-11- 23236650  
Website: [www.trai.gov.in](http://www.trai.gov.in)

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## **Table of Contents**

<b>Snapshot .....</b>	<b>i</b>
<b>Executive Summary .....</b>	<b>iii</b>
<b>Trends at a Glance .....</b>	<b>x</b>
<b>Introduction .....</b>	<b>xiii</b>
<b>Chapter 1 : Subscription Data .....</b>	<b>1</b>
Section A: Access Service – An Overview .....	2
Section B: Wireless Service .....	11
Section C: Wireline Service .....	20
Section D: Internet Service .....	27
Section E: Other Value Added Services – PMRTS & VSAT .....	34
<b>Chapter 2 : Revenue and Usage .....</b>	<b>37</b>
Section A: GSM Service .....	38
Section B: CDMA – Full Mobility Service .....	43
Section C: Internet Service .....	48
<b>Chapter 3 : Financial Data of Telecom Service Sector .....</b>	<b>49</b>
<b>Chapter 4 : Quality of Service (QoS) .....</b>	<b>54</b>
Section A: Quality of Service Performance of Wireless Service Providers .....	55
Section B: Quality of Service Performance of Wireline Service Providers .....	64
Section C: Quality of Service Performance of Dial-up/ Broadband Service .....	70
<b>Chapter 5 : Performance of Cable TV, DTH and Radio Broadcasting Services ..</b>	<b>76</b>
<b>Annexures .....</b>	<b>82</b>
Annexure 1.1: Licensed Cellular (GSM & CDMA) Service Providers .....	83
Annexure 1.2: Wireless Subscriber Base .....	84
Annexure 1.3: Wireline Subscriber Base .....	88
Annexure 1.4: Service Provider wise details of PCOs .....	90
Annexure 1.5: Service Provider wise details of Village Public Telephones .....	93
Annexure 1.6: List of Internet Service Providers Providing Internet Telephony Service .....	96
Annexure 1.7: Internet Service Provider wise Subscriber Base .....	97
Annexure 1.8: Service Area wise PMRTS subscriber Base .....	104
Annexure 2.1: GSM Service – Service Area wise Statistics for QE Jun-12 .....	105
Annexure 2.2: CDMA Full Mobility Service – Service Area wise Statistics for QE Jun-12 .....	106
Annexure 4.1: Performance of QoS Parameters for Cellular Mobile Service .....	107
Annexure 4.2: Performance of QoS Parameters for Basic (Wire-line) Service ....	113
Annexure 4.3: Quality of Service Performance of Broadband Service Providers .....	117
Annexure 5.1: A -la-carte rates of pay channels for non-CAS areas, as reported to TRAI by the respective Broadcasters .....	122
Annexure 5.2: List of operational private FM Radio Stations in India .....	136
Annexure 5.3: List of applicants who have been granted DTH License .....	144
Annexure 5.4: List of permitted teleports at various locations in India .....	145
<b>Index of Tables &amp; Charts .....</b>	<b>148</b>

# Snapshot

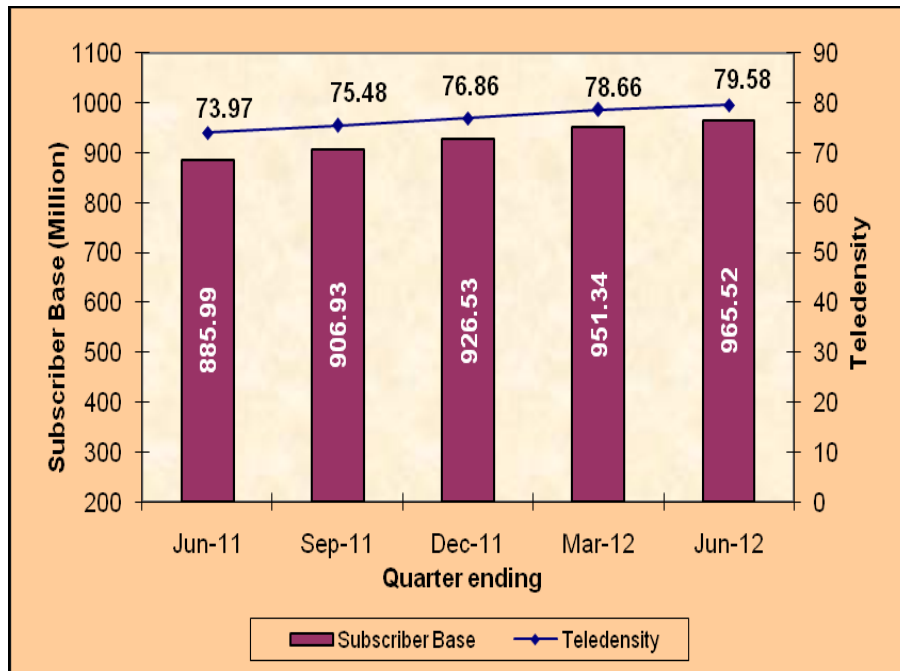
<b>(Data As on 30th June, 2012)</b>	
<b>Telecom Subscribers (Wireless +Wireline)</b>	
Total Subscribers	965.52 Million
% change over the previous quarter	1.49%
Urban Subscribers	621.76 Million (64.40%)
Rural Subscribers	343.76 Million (35.60%)
Market share of Private Operators	86.64%
Market share of PSU Operators	13.36%
Teledensity	79.58
Urban Teledensity	169.03
Rural Teledensity	40.66
<b>Wireless Subscribers</b>	
Total Wireless Subscribers	934.09 Million
% change over the previous quarter	1.62%
Urban Subscribers	597.59 Million (63.98%)
Rural Subscribers	336.51 Million (36.02%)
GSM Subscribers	831.86 Million (89.06%)
CDMA Subscribers	102.24 Million (10.94%)
Market share of Private Operators	88.88%
Market share of PSU Operators	11.12%
Teledensity	76.99
Urban Teledensity	162.46
Rural Teledensity	39.80
<b>Wireline Subscribers</b>	
Total Wireline Subscribers	31.43 Million
% change over the previous quarter	-2.31%
Urban Subscribers	24.17 Million (76.92%)
Rural Subscribers	7.25 Million (23.08%)
Market share of Private Operators	19.93%
Market share of PSU Operators	80.07%
Teledensity	2.59
Urban Teledensity	6.57
Rural Teledensity	0.86
Village Public Telephones (VPT)	0.584 Million
Public Call Office (PCO)	1.713 Million

<b>Internet / Broadband Subscribers</b>	
Total Internet Subscribers (excluding Internet Access by Wireless Phone Subscribers)	23.01 Million
% change over the previous quarter	0.66%
Broadband Subscribers	14.57 Million
<b>Broadcasting &amp; Cable Services</b>	
Number of private satellite TV channels registered with Ministry of I&B (as on 06.03.2012)	831
Number of Pay Channels	184
Number of private FM Radio Stations	245
DTH Subscribers registered with Pvt. SPs	48.45 Million
Number of Set Top Boxes in CAS notified areas	10,01,033
<b>Telecom Financial Data (for the QE Jun-12)</b>	
Gross Revenue during the quarter	` 52512.10 Crore
% change in GR over the previous quarter	6.64%
Share of Public sector undertaking's in GR	15.69%
Adjusted Gross Revenue (AGR)	`35499.01 Crore
% change in AGR over the previous quarter	3.02%
Monthly Average Revenue Per User (ARPU) for Access Services	`98
<b>Revenue &amp; Usage Parameters (for the QE Jun-12)</b>	
Monthly ARPU GSM Service	` 95
Monthly ARPU CDMA Full Mobility Service	` 75
Minutes of Usage (MOU) per subscriber per month GSM Service	346 Minutes
Minutes of Usage (MOU) per subscriber per month CDMA Full Mobility Service	229 Minutes
Minutes of Usage for Internet Telephony	254.66 Million

## Executive Summary

1. The number of telephone subscribers in India increased from 951.34 million at the end of Mar-12 to 965.52 million at the end of Jun-12, registering a growth of 1.49% over the previous quarter as against 2.68% during the QE Mar-12. This reflects year-on-year (Y-O-Y) growth of 8.98% over the same quarter of last year. The overall Tele-density in India has reached 79.58 as on 30th June, 2012.

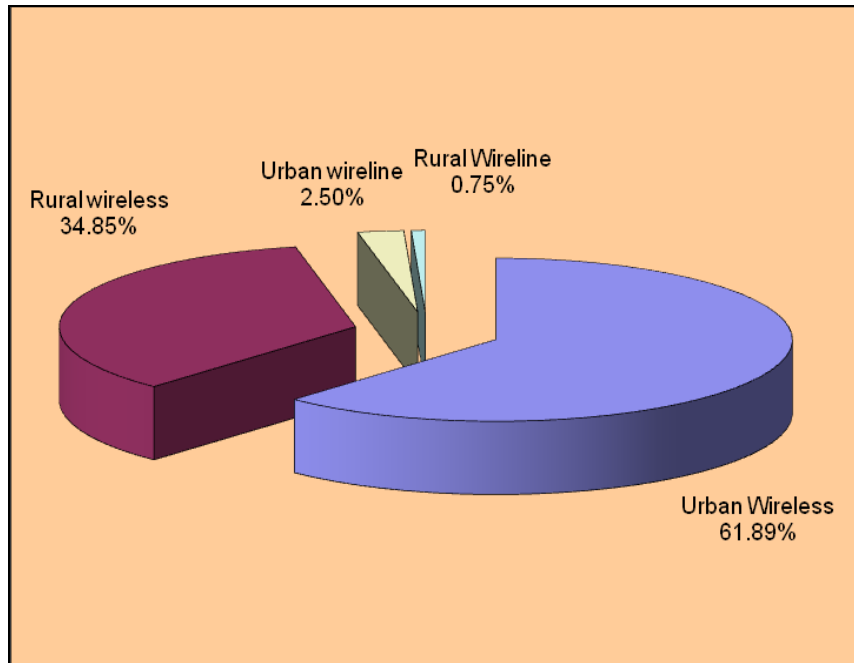
### **Trends in Telephone subscribers and Teledensity in India**



2. Subscription in Urban Areas grew from 620.53 million at the end of Mar-12 to 621.76 million at the end of Jun-12, however Urban Teledensity slightly declined from 169.55 to 169.03. Rural subscription increased from 330.82 million to 343.76 million, and Rural Teledensity increased from 39.22 to 40.66. Share of subscription in Rural areas out of total subscription increased from 34.77% at the end of Mar-12 to 35.60% at the end of Jun-12.

3. About 91.30% of the total net additions have been in Rural areas as compared to 62.39% in the previous quarter. Rural subscription growth rate decreased from 4.91% in QE Mar-12 to 3.91% in QE Jun-12, and Urban subscription growth rate declined from 1.53% in QE Mar-12 to 0.20% in QE Jun-12.

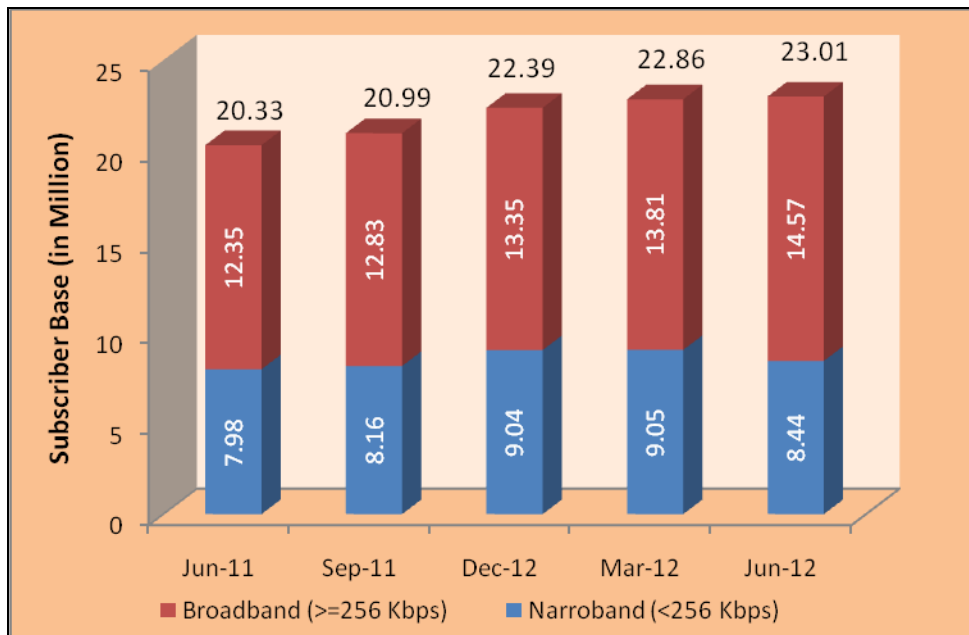
**Composition of Telephone Subscribers**



4. With 14.92 million net additions during the quarter, total wireless (GSM+CDMA) subscriber base registered a growth of 1.62% over the previous quarter and increased from 919.17 million at the end of Mar-12 to 934.09 million at the end of Jun-12. The year-on-year (Y-O-Y) growth rate of Wireless subscribers for Jun-12 is 9.67%. Wireless Teledensity increased from 76.00 at the end of Mar-12 to 76.99 at the end of Jun-12.
5. Wireline subscriber base further declined from 32.17 million at the end of Mar-12 to 31.43 million at the end of Jun-12, bringing down the wireline Teledensity from 2.66 at the end of Mar-12 to 2.59 at the end of Jun-12.

6. Internet subscribers increased from 22.86 million at the end of Mar-12 to 23.01 million at the end of Jun-12, registering a quarterly growth rate of 0.66%. Top 10 ISPs together hold 94.72% of the total Internet subscriber base.
7. Number of Broadband subscribers increased from 13.81 million at the end of Mar-12 to 14.57 million at the end of Jun-12, registering a quarterly growth of 5.49% and Y-O-Y growth of 17.97%.
8. Share of Broadband subscription in total Internet subscription increased from 60.4% at the end of Mar-12 to 63.31% at the end of Jun-12. 82.68% of the Broadband subscribers are using Digital Subscriber Line (DSL) technology.

**Trends in Internet/Broadband subscription**

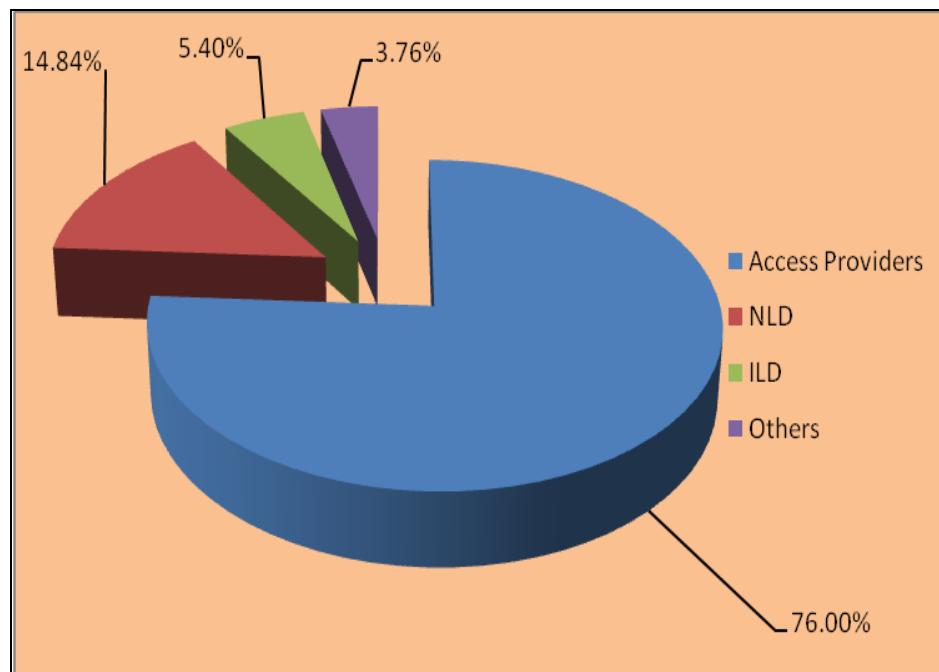




9. Monthly Average Revenue Per User (ARPU) for GSM service declined by 1.94%, from `97 in QE Mar-12 to `95 in QE Jun-12, with Y-O-Y decrease of 2.11%.
10. MOU per subscriber per month for GSM service remained almost at the same level as in the previous quarter i.e. 346. The Outgoing MOUs(167) increased by 0.04% whereas Incoming MOUs (178) declined by 0.19%.
11. Monthly ARPU for CDMA – full mobility service slightly declined by 0.50%, from `75.3 in QE Mar-12 to `74.9 in QE Jun-12. ARPU for CDMA has increased by 16.31% on Y-O-Y basis.
12. The total MOU for CDMA per subscriber per month declined by 0.31%, from 229.3 in QE Mar-12 to 228.6 QE Jun-12. The Outgoing MOUs (115) declined by 1.57% whereas Incoming MOUs (114) increased by 1%.
13. Gross Revenue (GR) and Adjusted Gross Revenue (AGR) of Telecom Service Sector for the QE Jun-12 has been `52512.10 Crore and `35499.01 Crore respectively. There has been an increase of 6.64% in GR and an increase of 3.02% in AGR as compared to previous quarter. The year-on-year (Y-O-Y) growth in GR and AGR over the same quarter in last year has been 11.99% and 8.93% respectively. Pass-through charges accounted for 32.40% of the GR for the quarter ending Jun-12. The quarterly and the year-on-year (Y-O-Y) growth rates of pass-through charges for QE Jun-12 are 15.06% and 18.96% respectively.

14. Average license fee as percentage of AGR is 8.28% in QE Jun-12. The quarterly and the year-on-year (Y-O-Y) growth rates of the average license fee for QE Jun-12 are 3.11% and 8.96% respectively.
15. Access services contributed 76.00% of the total revenue of telecom services. In Access services Gross Revenue, AGR, License Fee & Spectrum Charges increased by 3.77%, 2.98%, 3.10% & 2.32% respectively in the quarter ending Jun-12 vis-à-vis previous quarter.
16. Monthly Average Revenue per User (ARPU) for Access Services based on AGR increased from `97 in QE Mar-12 to `98 in QE Jun-12.

**Composition of Gross Revenue**



17. The performance of wireless service providers in terms of QoS during the quarter vis-à-vis that in previous quarter is depicted as under:

<b>Parameters showing Improvement in QoS</b>	<b>Parameters showing deterioration in QoS</b>	<b>Parameters showing no change in QoS</b>
<ul style="list-style-type: none"> <li>• TCH Congestion</li> <li>• Worst affected cells having more than 3% TCH drop (call drop) rate</li> <li>• Time taken for refund of deposits after closures</li> <li>• Point of Inter-connection (POI) Congestion (No. of POIs not meeting the benchmark)</li> <li>• Accessibility of call centre/customer care</li> </ul>	<ul style="list-style-type: none"> <li>• Worst affected BTSs due to downtime</li> <li>• SDCCH/Paging Chl. Congestion</li> <li>• Call Drop Rate</li> <li>• Metering and billing credibility - post paid</li> <li>• Metering and billing credibility - pre paid</li> <li>• %age requests for Termination /Closure of service complied within 7 days</li> <li>• %age of calls answered by the operators (voice to voice) within 60 sec.</li> </ul>	<ul style="list-style-type: none"> <li>• BTSs Accumulated downtime (not available for service)</li> <li>• Call Set-up Success Rate (within licensee's own network)</li> <li>• Connection with good voice quality</li> <li>• Resolution of billing/charging/ validity complaints</li> <li>• Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of complaints.</li> </ul>

18. The performance of wireline service providers in terms of QoS during the quarter vis-à-vis that in previous quarter is depicted as under:

<b>Parameters showing Improvement in QoS</b>	<b>Parameters showing deterioration in QoS</b>	<b>Parameters showing no change in QoS</b>
<ul style="list-style-type: none"> <li>• Call Completion Rate (CCR)</li> <li>• Metering and billing credibility - post paid</li> <li>• Period of applying credit/waiver/ adjustment to customer's account from the date of</li> </ul>	<ul style="list-style-type: none"> <li>• % faults repaired by next working day</li> <li>• % faults repaired within 3 days</li> <li>• % faults repaired within 5 days</li> <li>• Mean Time to Repair</li> </ul>	<ul style="list-style-type: none"> <li>• Faults incidences ( No. of faults/100 Subs./month)</li> <li>• Answer to Seizure Ratio (ASR)</li> <li>• Point of Interconnection (POI) Congestion</li> </ul>

<p>resolution of complaints.</p> <ul style="list-style-type: none"> <li>• Accessibility of call centre/ customer care</li> <li>• Time taken for refund of deposits after closures.</li> </ul>	<p>(MTTR)</p> <ul style="list-style-type: none"> <li>• % of calls answered by the operators (Voice to Voice) within 60 Sec</li> <li>• %age requests for Termination / Closure of service complied within 7 days.</li> </ul>	<ul style="list-style-type: none"> <li>• Resolution of billing/ charging/ validity complaints</li> </ul>
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19. As on 06.03.2012, total number of permitted private satellite TV channels registered with Ministry of I&B, as obtained from its website, is 831. There are 184 pay TV channels in existence, as reported by 26 broadcasters/their distributors, as on QE Jun-12.
  
20. Maximum number of TV channels (Pay, FTA and Local) being carried by any of the reported MSOs is 377 whereas in the conventional analogue form, maximum number of channels being carried by any of the reported MSOs is 100 channels.
  
21. Apart from All India Radio, Prasar Bharti – a public broadcaster, there are 245 private FM Radio stations in operation at the end of Jun-12.
  
22. Besides the free DTH service of Doordarshan, there are 6 private DTH licensees, offering their services to the DTH subscribers. As on 30.06.2012, 48.45 million subscribers are registered with these 6 private DTH operators.
  
23. Number of Set Top Boxes (STBs) installed in CAS notified areas of Delhi, Mumbai, Kolkata and Chennai increased from 9,05,343 at the end of Mar-12 to 10,01,033 at the end of Jun-12.

## Trends at a Glance

### A. Wireline & Wireless Services

	QE Jun 2011	QE Sep 2011	QE Dec 2011	QE Mar 2012	QE Jun 2012	%age change over Jun- 2011	%age change over Sep- 2011	%age change over Dec- 2011	%age change over Mar- 2012
						(12 months)	(9 months)	(6 months)	(3 months)
<b>1) Subscriber's Base (in million)</b>									
i) Wireline	34.29	33.31	32.69	32.17	31.43	-8.35%	-5.66%	-3.85%	-2.31%
ii) Wireless	851.70	873.61	893.84	919.17	934.09	9.67%	6.92%	4.50%	1.62%
<b>Total</b>	<b>885.99</b>	<b>906.93</b>	<b>926.53</b>	<b>951.34</b>	<b>965.52</b>	<b>8.98%</b>	<b>6.46%</b>	<b>4.21%</b>	<b>1.49%</b>
Rural	298.05	305.51	315.33	330.82	343.76	15.34%	12.52%	9.02%	3.91%
Urban	587.94	601.42	611.19	620.53	621.76	5.75%	3.38%	1.73%	0.20%
<b>2) Traffic (MOU) (minutes of use/ sub/month)</b>									
<b>Wireless - full mobility</b>									
i) GSM	344	331	332	346	346	0.48%	4.56%	4.01%	-0.08%
ii) CDMA	238	230	226	229	229	-3.95%	-0.70%	1.30%	-0.31%
<b>3) ARPU (Rs./sub/ month)</b>									
<b>Wireless - full mobility</b>									
i) GSM	97.53	93.05	95.77	97.37	95.47	-2.11%	2.60%	-0.31%	-1.94%
ii) CDMA	64.41	70.57	73.46	75.29	74.90	16.31%	6.16%	1.99%	-0.50%
<b>4) Teledensity</b>									
Population in million (Estimated)	1198	1202	1206	1209	1213				
i) Wireline teledensity	2.86	2.77	2.71	2.66	2.59	-9.53%	-6.56%	-4.46%	-2.62%
ii) Wireless teledensity	71.11	72.70	74.15	76.00	76.99	8.27%	5.90%	3.83%	1.30%
<b>Total Teledensity</b>	<b>73.97</b>	<b>75.48</b>	<b>76.86</b>	<b>78.66</b>	<b>79.58</b>	<b>7.58%</b>	<b>5.44%</b>	<b>3.54%</b>	<b>1.17%</b>
Rural teledensity	35.60	36.40	37.48	39.22	40.66	14.23%	11.71%	8.49%	3.67%
Urban teledensity	163.13	166.01	167.85	169.55	169.03	3.62%	1.82%	0.70%	-0.31%

## B. Subscriber Base

<b>(i) Wireline Subscribers Base (in Million)</b>									
<b>Service Provider</b>	<b>QE Jun 2011</b>	<b>QE Sep 2011</b>	<b>QE Dec 2011</b>	<b>QE Mar 2012</b>	<b>QE Jun 2012</b>	<b>%age change over Jun-2011</b>	<b>%age change over Sep-2011</b>	<b>%age change over Dec-2011</b>	<b>%age change over Mar-2012</b>
						<b>(12 months)</b>	<b>(9 months)</b>	<b>(6 months)</b>	<b>(3 months)</b>
BSNL	24.72	23.68	23.00	22.47	21.71	-12.19%	-8.31%	-5.62%	-3.37%
MTNL	3.44	3.45	3.45	3.46	3.45	0.31%	0.26%	0.01%	-0.10%
Bharti	3.32	3.33	3.32	3.27	3.27	-1.50%	-1.69%	-1.37%	0.06%
Reliance	1.24	1.26	1.27	1.27	1.27	2.03%	0.61%	0.21%	-0.10%
Tata	1.33	1.36	1.40	1.44	1.46	10.05%	7.31%	4.32%	1.19%
Quadrant (HFCL)	0.19	0.20	0.20	0.20	0.20	1.53%	0.04%	-1.14%	-1.98%
Sistema	0.04	0.04	0.05	0.05	0.05	18.78%	8.19%	1.69%	3.96%
Vodafone	-	-	-	0.02	0.02	-	-	-	11.76%
<b>Total</b>	<b>34.29</b>	<b>33.31</b>	<b>32.69</b>	<b>32.17</b>	<b>31.43</b>	<b>-8.35%</b>	<b>-5.66%</b>	<b>-3.85%</b>	<b>-2.31%</b>
<b>(ii) Wireless Subscriber Base (in Million)</b>									
<b>Service Provider</b>	<b>QE Jun 2011</b>	<b>QE Sep 2011</b>	<b>QE Dec 2011</b>	<b>QE Mar 2012</b>	<b>QE Jun 2012</b>	<b>%age change over Jun-2011</b>	<b>%age change over Sep-2011</b>	<b>%age change over Dec-2011</b>	<b>%age change over Mar-2012</b>
						<b>(12 months)</b>	<b>(9 months)</b>	<b>(6 months)</b>	<b>(3 months)</b>
Bharti	169.19	172.78	175.65	181.28	187.30	10.71%	8.40%	6.63%	3.32%
Reliance	143.27	147.09	150.08	153.05	154.60	7.91%	5.11%	3.01%	1.02%
Vodafone	141.52	144.99	147.75	150.47	153.71	8.61%	6.01%	4.04%	2.16%
BSNL	93.73	95.79	96.76	98.51	98.28	4.85%	2.59%	1.57%	-0.24%
Tata	90.99	88.77	83.49	81.75	80.23	-11.83%	-9.63%	-3.91%	-1.86%
Idea/Spice	95.11	100.18	106.38	112.72	117.16	23.19%	16.95%	10.14%	3.94%
Aircel/Dishnet	57.98	59.79	61.64	62.57	64.88	11.89%	8.50%	5.24%	3.68%
MTNL	5.50	5.58	5.68	5.83	5.57	1.28%	-0.25%	-1.96%	-4.50%
Loop	3.15	3.20	3.24	3.27	3.15	0.01%	-1.45%	-2.65%	-3.57%
Quadrant (HFCL)	1.40	1.22	1.19	1.33	1.51	7.60%	23.36%	26.66%	13.58%
Sistema	11.73	13.27	15.01	15.80	16.55	41.15%	24.75%	10.28%	4.73%
Unitech	26.33	29.65	36.31	42.43	45.58	73.10%	53.70%	25.53%	7.41%
S Tel	3.32	3.50	3.55	3.43	0.00	--	--	--	--
Videocon	7.13	6.27	5.44	5.95	5.58	-21.75%	-11.01%	2.50%	-6.26%
Etisalat	1.36	1.52	1.67	0.78	0.00	--	--	--	--
<b>Total</b>	<b>851.70</b>	<b>873.61</b>	<b>893.84</b>	<b>919.17</b>	<b>934.09</b>	<b>9.67%</b>	<b>6.92%</b>	<b>4.50%</b>	<b>1.62%</b>

Note : M/s S-Tel, Etisalat & Loop (except Mumbai Circle) have submitted that they have shut down their services.

### C. Internet & Broadband Services

	QE Jun 2011	QE Sep 2011	QE Dec 2011	QE Mar 2012	QE Jun 2012	%age change over Jun-2011 (12 months)	%age change over Sep-2011 (9 months)	%age change over Dec-2011 (6 months)	%age change over Mar-2012 (3 months)
<b>1) Subscriber's Base (in million)</b>									
i) Internet (excluding Internet Access by wireless phone subscribers)	20.33	20.99	22.39	22.86	23.01	13.18%	9.61%	2.77%	0.66%
Internet (<256 Kbps)	7.98	8.16	9.04	9.05	8.44	5.77%	3.49%	-6.60%	-6.71%
Broadband Connections (>=256 Kbps speed)	12.35	12.83	13.35	13.81	14.57	17.97%	13.51%	9.12%	5.49%
ii) Wireless Data Subscribers	346.67	373.84	431.37	448.89	460.84	32.93%	23.27%	6.83%	2.66%

### D. Telecom Financial Data

	QE Jun 2011	QE Sep 2011	QE Dec 2011	QE Mar 2012	QE Jun 2012	%age change over Jun-2011 (12 months)	%age change over Sep-2011 (9 months)	%age change over Dec-2011 (6 months)	%age change over Mar-2012 (3 months)
<b>Telecom Sector</b>									
i) Gross Revenue (Rs. in Crores)	46891.61	49942.25	49365.18	49242.99	52512.10	11.99%	5.15%	6.37%	6.64%
ii) Adjusted Gross Revenue (Rs. in Crores)	32589.93	33460.52	34081.35	34457.07	35499.01	8.93%	6.09%	4.16%	3.02%
<b>Access Services</b>									
Adjusted Gross Revenue (Rs. in Crores)	26110.16	26360.44	27438.98	27408.03	28225.28	8.10%	7.07%	2.87%	2.98%
ARPU per month (AGR/Average subscribers/3)	100.33	98.04	99.83	97.24	98.17	-2.06%	0.24%	-1.56%	1.06%

## **Introduction**

This Report presents the Key Parameters and growth trends for the Telecom Services in India for the quarter ending June, 2012. It provides a broad perspective on the Telecom Services to serve as a reference document for various stakeholders, research agencies and analysts. The Executive Summary of various Telecom Services has been given in the beginning, followed by 'Performance Indicators at a Glance'. Chapter-1 depicts the growth pattern, in terms of Subscriber base and Teledensity, of Wireline, Wireless, Internet and Value Added Services (VAS). Chapter-2 covers the key revenue and usage parameters. Chapter-3 gives the financial and accounting data. Chapter-4 covers performance of various service providers in terms of QoS. The information relating to Cable TV, DTH & Radio Broadcast services is provided in Chapter-5.

2. The Report has been prepared based on the information furnished by the Service Providers. It is also available on TRAI's website ([www.trai.gov.in](http://www.trai.gov.in)). Any suggestion pertaining to this report may please be addressed to Advisor(F&EA), TRAI; Tel. +91-11-23230752, Fax. +91-11-23236650 and e-mail: [adveco@trai.gov.in](mailto:adveco@trai.gov.in) or [eco@trai.gov.in](mailto:eco@trai.gov.in)



# **Chapter 1 :**

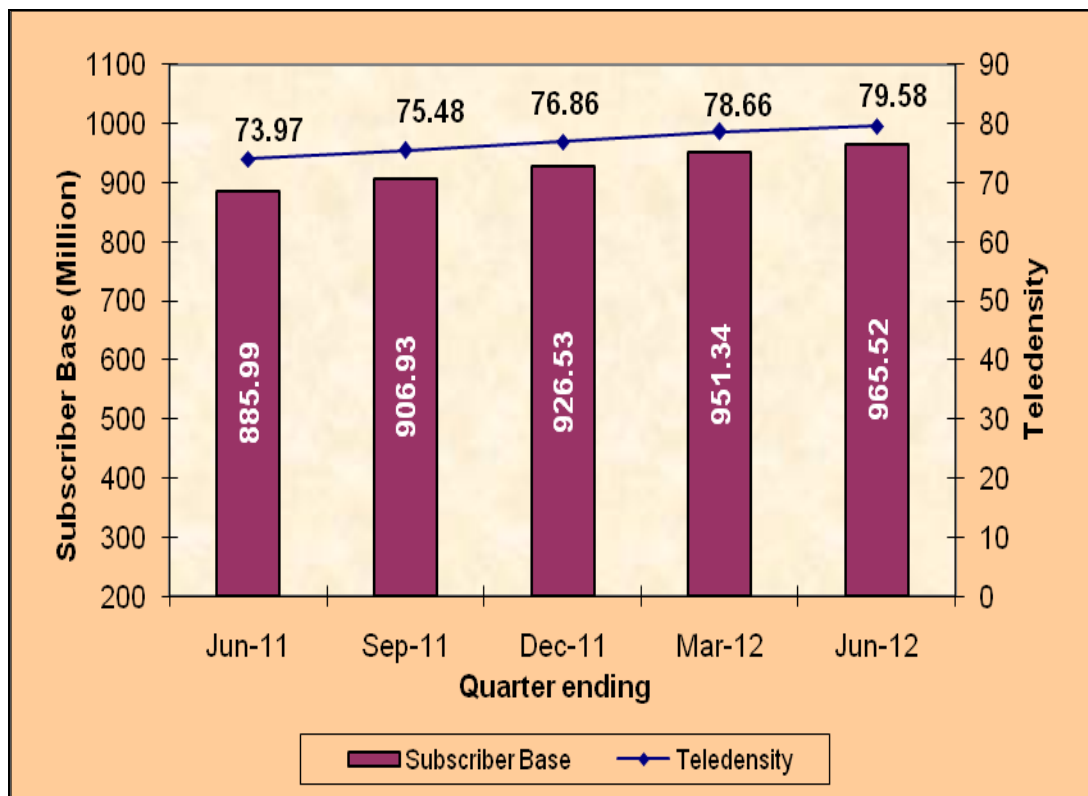
# **Subscription Data**

- 
- M/s S-Tel, Etisalat & Loop (except Mumbai Circle) have submitted that they have shut down their services.
  - Teledensity is based on the population projections from census data published by the Office of Registrar General & Census Commissioner of India.

## Section A: Access Service – An Overview

The number of telephone subscribers in India increased from 951.34 million at the end of Mar-12 to 965.52 million at the end of Jun-12, registering a growth of 1.49% over the previous quarter as against 2.68% during the QE Mar-12. This reflects year-on-year (Y-O-Y) growth of 8.98% over the same quarter of last year. The overall Teledensity in India has reached 79.58 as on 30th June, 2012.

**Chart 1.1: Trends in Telephone Subscribers and Teledensity in India**

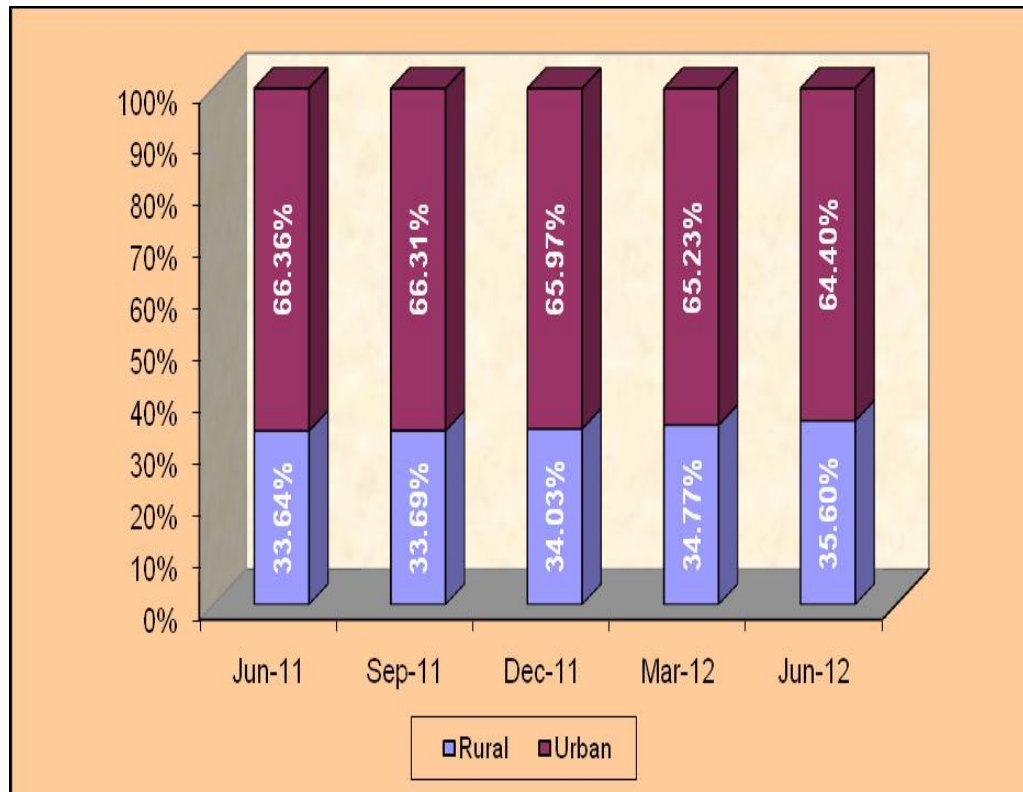


**Table 1.1: Subscriber Base & Teledensity – Rural & Urban**

Quarter ending	Subscriber Base (million)		Teledensity	
	Rural	Urban	Rural	Urban
Jun-11	298.05	587.94	35.60	163.13
Sep-11	305.51	601.42	36.40	166.01
Dec-11	315.33	611.19	37.48	167.85
Mar-12	330.82	620.53	39.22	169.55
Jun-12	343.76	621.76	40.66	169.03

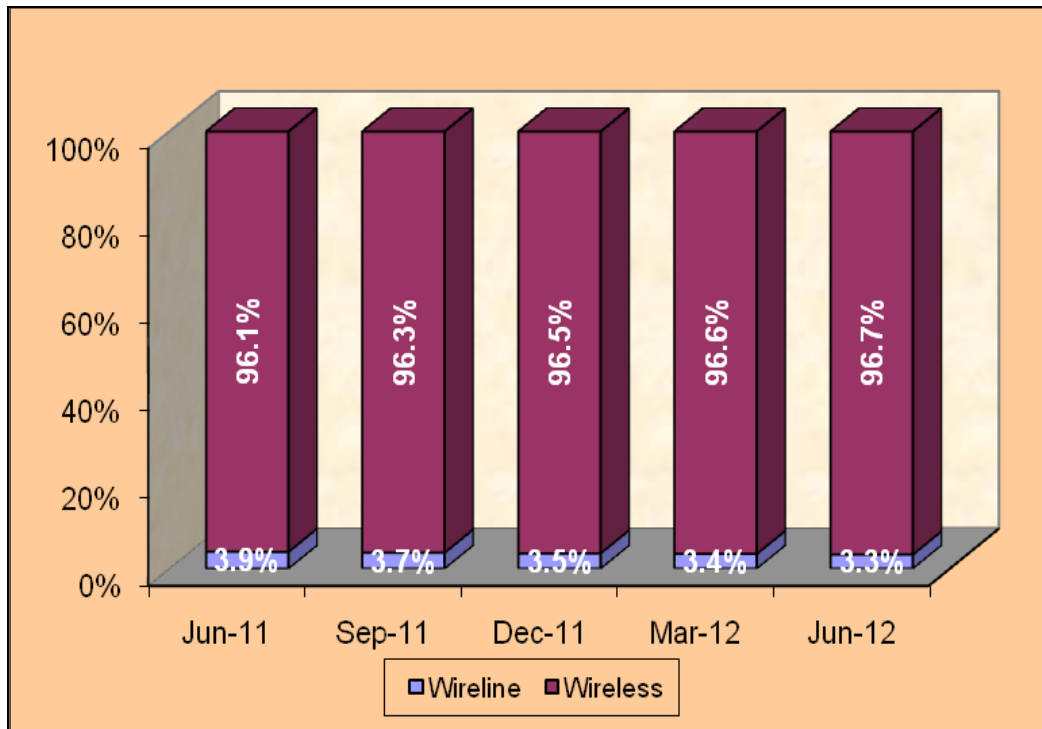
- 1.2 Subscription in Urban Areas grew from 620.53 million at the end of Mar-12 to 621.76 million at the end of Jun-12 and the Urban Teledensity marginally declined from 169.55 to 169.03 during the quarter. Rural subscription increased from 330.82 million to 343.76 million and the Rural Teledensity increased from 39.22 to 40.66 during the quarter. The year-on-year (Y-O-Y) growth rate of Rural and Urban Teledensity from Jun-11 to Jun-12 is 14.23% and 3.62% respectively.
- 1.3 Rural subscription growth rate declined from 4.91% in QE Mar-12 to 3.91% in QE Jun-12 and Urban subscription growth rate also declined from 1.53% in QE Mar-12 to 0.20% in QE Jun-12. The Y-O-Y rates of growth in Rural and Urban subscribers are 15.34% and 5.75% respectively.
- 1.4 Rural subscription continues to show higher growth rate than urban.

**Chart 1.2: Market Share - Rural & Urban**



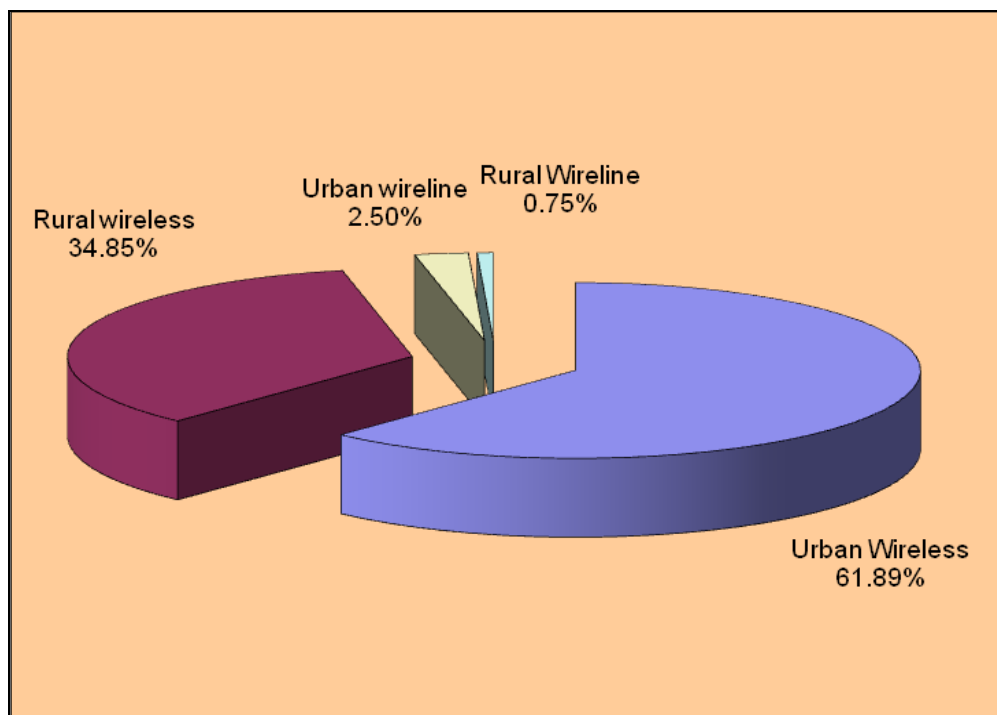
1.5 Share of Rural areas in total subscription has increased from 34.77% at the end of Mar-12 to 35.60% at the end of Jun-12. The year-on-year (Y-O-Y) growth of the market share of the Rural areas for Jun-12 is 5.84%.

**Chart 1.3: Composition of Access subscription – Wireline & Wireless**



1.6 The dominance of wireless segment in access services is steadily growing.

**Chart 1.4: Composition of Telephone Subscribers at the end of the quarter**

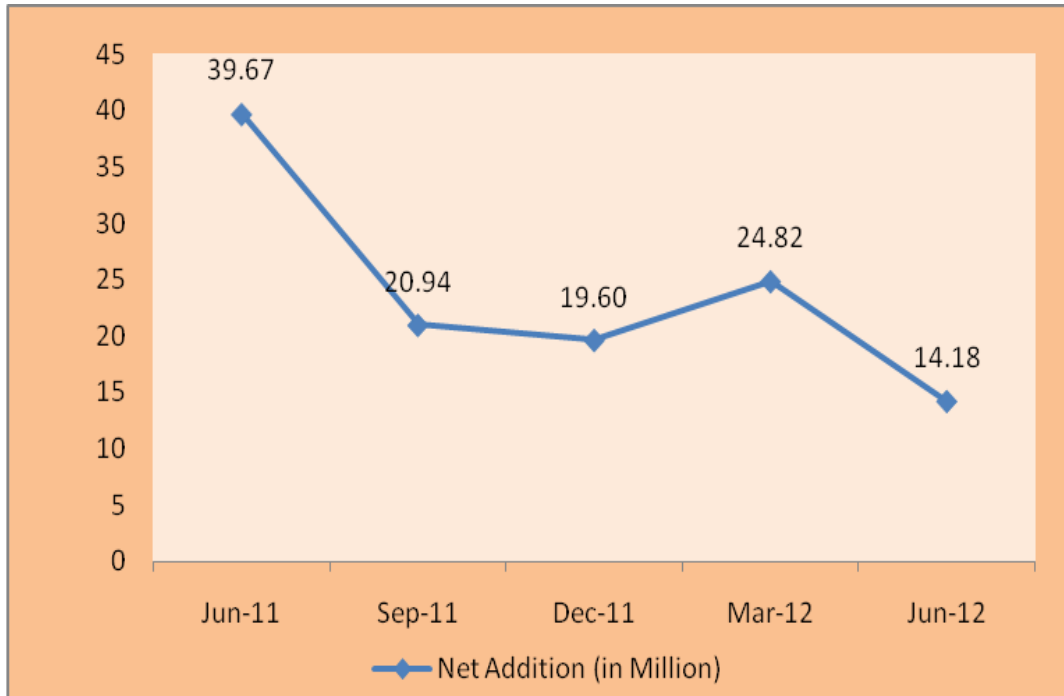


**Table 1.2: Service Area wise Access (Wireless +Wireline)  
Subscribers**

Service Area	Subscribers (million)			
	Mar-12	Jun-12	Net Additions	% Rate of Growth
Andhra Pradesh	69.19	69.79	0.60	0.86
Assam	14.44	15.10	0.66	4.58
Bihar	64.09	63.33	-0.77	-1.20
Delhi	45.40	45.73	0.33	0.72
Gujarat	55.15	56.31	1.16	2.10
Haryana	23.15	23.68	0.53	2.29
Himachal Pradesh	8.28	7.75	-0.53	-6.40
Jammu & Kashmir	6.51	6.88	0.36	5.59
Karnataka	58.41	59.31	0.91	1.56
Kerala	37.21	38.03	0.82	2.21
Madhya Pradesh	52.76	54.67	1.91	3.61
Maharashtra	73.12	74.20	1.08	1.48
Mumbai	39.29	38.80	-0.50	-1.27
North East	8.77	9.19	0.42	4.82
Orissa	27.08	26.95	-0.14	-0.50
Punjab	33.39	32.49	-0.91	-2.72
Rajasthan	50.32	51.37	1.05	2.08
T.N. (incl. Chennai)	80.87	82.70	1.83	2.26
U.P.(E)	76.35	78.62	2.27	2.98
U.P.(W)	54.43	56.04	1.61	2.96
Kolkata	26.17	26.74	0.57	2.18
West Bengal	46.95	47.87	0.91	1.94
<b>All India</b>	<b>951.34</b>	<b>965.52</b>	<b>14.18</b>	<b>1.49</b>

1.7 During the quarter, J&K has recorded the highest growth rate of 5.59%, followed by North-East(4.82%) and Assam(4.58%). In terms of net additions, UP-E (2.27 million) is on the top position. Bihar, H.P., Mumbai, Orissa & Punjab have recorded -ve growth during the quarter.

**Chart 1.5: Net Addition in Telephone Subscription (In millions)**



1.8 The net additions in telephone subscribers declined from 24.82 million in QE Mar-12 to 14.18 million in QE Jun-12.

**Table 1.3: Service Area wise Teledensity as on 30th June, 2012**

<b>Service Area</b>	<b>Rural Teledensity</b>	<b>Urban Teledensity</b>	<b>Total Teledensity</b>
Andhra Pradesh	40.96	186.56	81.39
Assam	30.10	151.41	48.60
Bihar	25.99	188.14	48.16
Delhi	--	--	238.60
Gujarat	54.43	148.48	92.74
Haryana	58.71	153.18	91.11
Himachal Pradesh	75.05	410.63	112.70
J&K	33.75	122.17	57.71
Karnataka	45.23	186.77	98.49
Kerala	65.85	234.26	108.79
Madhya Pradesh	27.39	132.60	55.55
Maharashtra*	53.81	145.71	96.97
Mumbai*			
North East	39.79	158.38	68.69
Orissa	36.32	207.06	65.37
Punjab	66.37	169.93	109.71
Rajasthan	45.18	166.19	74.19
T.N. (incl Chennai)	57.20	167.47	119.05
U.P.(E)*	33.99	161.05	62.48
U.P.(W)*			
Kolkata*	43.77	175.55	81.35
W.B.*			
<b>All India</b>	<b>40.66</b>	<b>169.03</b>	<b>79.58</b>

\* Population data/projections are available state-wise only

Notes:

1. Teledensity figures are derived from the subscriber data provided by the operators and the population projections, for Urban and Rural areas, of the country, published by the Office of the Registrar General & Census Commissioner, India.
2. Delhi Service area, apart from the State of Delhi, includes wireless subscribers of the areas served by the local exchanges of Ghaziabad & Noida (in UP) and Gurgaon & Faridabad (in Haryana).

1.9 Himachal Pradesh has the highest Rural Teledensity of 75.05, followed by Punjab (66.37). Bihar continues to have the lowest Rural Teledensity of 25.99, followed by Madhya Pradesh (27.39).



**Table 1.4: Growth in Subscribers**

Service Provider	Subscriber base (millions)			Rate of Growth (%)	Market Share – Mar-12 (%)	Market Share – Jun-12 (%)
	Mar-12	Jun-12	Net Additions			
Bharti	184.55	190.57	6.02	3.26	19.40	19.74
Reliance	154.32	155.87	1.55	1.01	16.22	16.14
Vodafone	150.48	153.73	3.25	2.16	15.82	15.92
BSNL	120.98	119.99	-0.99	-0.82	12.72	12.43
IDEA/Spice	112.72	117.16	4.44	3.94	11.85	12.13
Tata	83.19	81.69	-1.50	-1.81	8.74	8.46
Aircel/Dishnet	62.57	64.88	2.30	3.68	6.58	6.72
Unitech	42.43	45.58	3.15	7.41	4.46	4.72
Sistema	15.85	16.60	0.75	4.72	1.67	1.72
MTNL	9.29	9.02	-0.27	-2.87	0.98	0.93
Videocon	5.95	5.58	-0.37	-6.26	0.63	0.58
Loop Mobile	3.27	3.15	-0.12	-3.57	0.34	0.33
Quadrant (HFCL)	1.53	1.71	0.18	11.54	0.16	0.18
S Tel	3.43	-	-3.43	--	0.36	--
Etisalat	0.78	-	-0.78	--	0.08	--
<b>Total</b>	<b>951.34</b>	<b>965.52</b>	<b>14.18</b>	<b>1.49</b>	<b>100</b>	<b>100</b>

1.10 Bharti is the leading operator in Access segment in terms of number of subscribers and also in terms of net additions. In term of net additions during the quarter, IDEA is on the second position, followed by Vodafone.

**Table 1.5: Market Share of the operators in total rural subscribers base for the quarter ending Jun-12**

<b>Service Provider</b>	<b>No. of Total Subscribers (in millions)</b>	<b>No. of Rural Subscribers (in millions)</b>	<b>Percentage of Rural subscribers</b>	<b>Market share of Rural subscribers (%)</b>
Bharti	190.57	79.23	41.57	23.05
Vodafone	153.73	69.19	45.01	20.13
IDEA/Spice	117.16	64.00	54.62	18.62
Reliance	155.87	34.51	22.14	10.04
BSNL	119.99	41.41	34.51	12.04
Aircel/Dishnet	64.88	23.47	36.18	6.83
Tata	81.69	16.22	19.86	4.72
Unitech	45.58	13.01	28.55	3.79
Sistema	16.60	2.68	16.12	0.78
Quadrant (HFCL)	1.71	0.04	2.28	0.01
MTNL	9.02	-	0.00	0.00
Videocon	5.58	-	0.00	0.00
Loop Mobile	3.15	-	0.00	0.00
<b>Total</b>	<b>965.52</b>	<b>343.76</b>	<b>35.60</b>	<b>100.00</b>

1.11 IDEA continues to be the Service provider with highest proportion of Rural subscribers (54.62%) to its total subscribers.

## Section B: Wireless Service

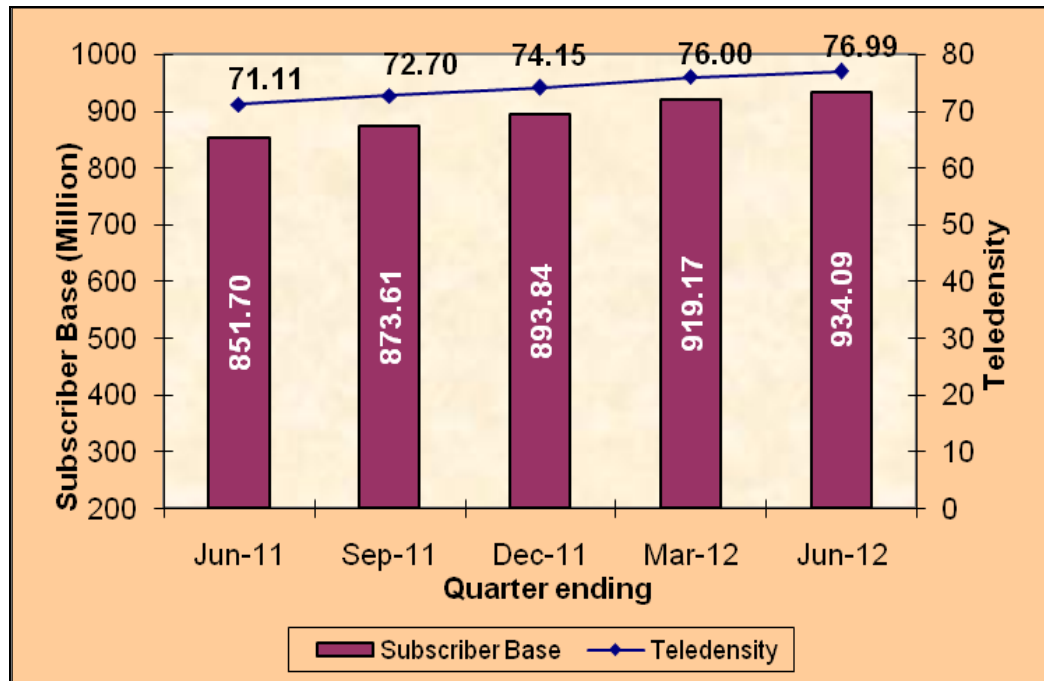
**Table 1.6: List of Cellular Mobile (GSM & CDMA) Service Providers currently providing service [As on 30th June, 2012]**

<b>SLNo.</b>	<b>Service Provider</b>	<b>Area of Operation</b>
1	Bharti	All India
2	Aircel Group	All India
3	Reliance Communications	All India (except Assam & NE)
4	Reliance Telecom	Kolkata, MP, WB, HP, Bihar, OR, Assam & NE
5	Vodafone	All India
6	Tata Teleservices	All India
7	IDEA (Including Spice)	All India
8	Sistema Shyam Telelink	All India
9	BSNL	All India (except Delhi & Mumbai)
10	MTNL	Delhi & Mumbai
11	Loop Mobile (India) Ltd	Mumbai
12	Quadrant (HFCL)	Punjab
13	Unitech Group	All India except Delhi
14	Videocon Telecommunications Ltd	All India except Punjab, Delhi, Assam, North-East and Jammu & Kashmir)

1.12 Complete list of licensed Cellular (GSM & CDMA) Service providers as on 30th June, 2012 is at Annexure – 1.1

1.13 Total Wireless (GSM + CDMA) subscriber base increased from 919.17 million at the end of Mar-12 to 934.09 million at the end of Jun-12, thereby showing a growth of 1.62%. During this quarter 14.92 million subscribers were added. The year-on-year (Y-O-Y) growth rate of Wireless subscribers for Jun-12 is 9.67%. Wireless Teledensity increased from 76.00 to 76.99.

**Chart 1.6: Wireless Subscriber Base and Teledensity**



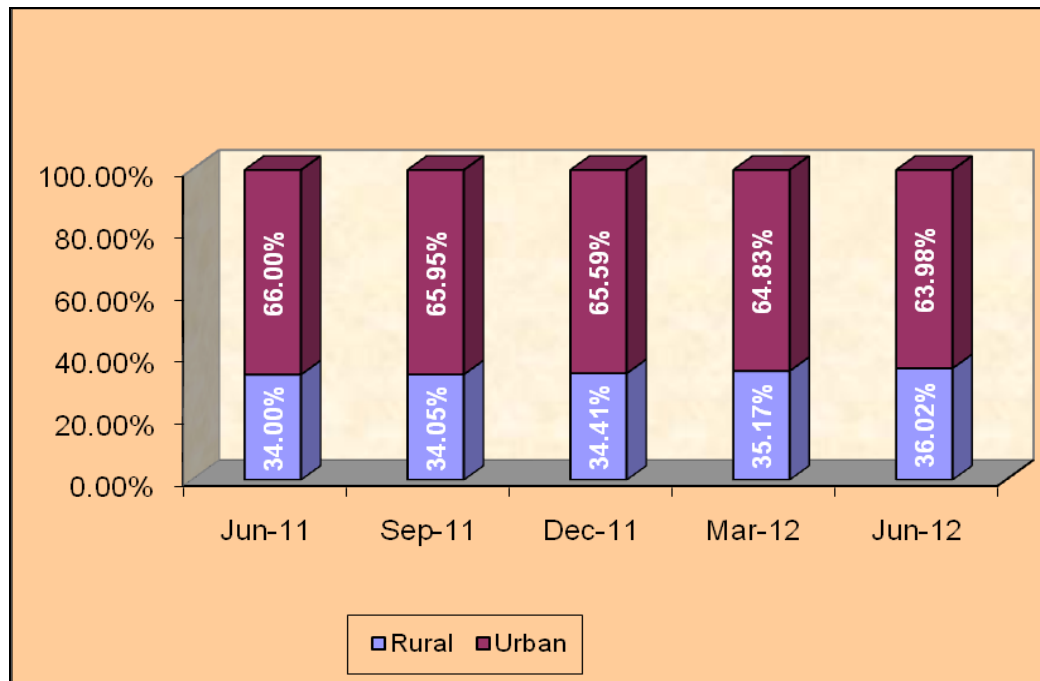
**Table 1.7: Wireless Subscriber Base & Teledensity – Rural & Urban**

Quarter ending	Subscriber Base (million)		Teledensity	
	Rural	Urban	Rural	Urban
Jun-11	289.57	562.12	34.58	155.96
Sep-11	297.49	576.12	35.44	159.03
Dec-11	307.59	586.26	36.56	161.01
Mar-12	323.27	595.90	38.33	162.82
Jun-12	336.51	597.59	39.80	162.46

1.14 The Rural Wireless subscribers increased from 323.27 million at the end of Mar-12 to 336.51 million at the end of Jun-12.

1.15 Rural subscription grew at the rate of 4.09% in QE Jun-12 as against 5.10% in QE Mar-12 and Urban subscription grew at the rate of 0.28% as against 1.65% in the previous quarter. The share of Rural wireless subscription increased to 36.02% in total wireless subscription.

**Chart 1.7: Wireless Market Share – Rural & Urban**



**Table 1.8: Growth in Wireless Subscribers**

Service Provider	Subscriber Base (millions)			Rate of Growth (%)	Market Share – Mar-12 (%)	Market Share – Jun-12 (%)
	Mar-12	Jun-12	Net Additions			
Bharti	181.28	187.30	6.02	3.32	19.72	20.05
Reliance	153.05	154.60	1.56	1.02	16.65	16.55
Vodafone	150.47	153.71	3.24	2.16	16.37	16.46
IDEA	112.72	117.16	4.44	3.94	12.26	12.54
BSNL	98.51	98.28	-0.24	-0.24	10.72	10.52
Tata	81.75	80.23	-1.52	-1.86	8.89	8.59
Aircel/Dishnet	62.57	64.88	2.30	3.68	6.81	6.95
Unitech	42.43	45.58	3.15	7.41	4.62	4.88
Sistema	15.80	16.55	0.75	4.73	1.72	1.77
Videocon	5.95	5.58	-0.37	-6.26	0.65	0.60
MTNL	5.83	5.57	-0.26	-4.50	0.63	0.60
Loop	3.27	3.15	-0.12	-3.57	0.36	0.34
Quadrant (HFCL)	1.33	1.51	0.18	13.58	0.14	0.16
S Tel	3.43	-	-3.43	-	0.37	-
Etisalat	0.78	-	-0.78	-	0.09	-
<b>Total</b>	<b>919.17</b>	<b>934.09</b>	<b>14.92</b>	<b>1.62</b>	-	-

1.16 Bharti remains the leading operator with 187.30 million subscribers at the end of Jun-12, followed by Reliance (154.60 million) and Vodafone (153.71 million). In terms of net additions during the quarter, Bharti (6.02 million) has added the highest number of subscribers, followed by Idea (4.44 Million) and Vodafone (3.24 Million).

**Table 1.9: Service Area wise Wireless Subscribers**

Service Area	Subscribers (million)			
	Mar-12	Jun-12	Net Additions	Rate of change (%)
Andhra Pradesh	66.83	67.47	0.64	0.96
Assam	14.21	14.90	0.69	4.85
Bihar	63.48	62.76	-0.72	-1.13
Delhi	42.49	42.81	0.32	0.75
Gujarat	53.32	54.50	1.18	2.21
Haryana	22.56	23.10	0.54	2.38
Himachal Pradesh	7.97	7.45	-0.52	-6.58
Jammu & Kashmir	6.31	6.67	0.37	5.80
Karnataka	55.71	56.85	1.14	2.04
Kerala	34.02	34.86	0.84	2.48
Madhya Pradesh	51.62	53.54	1.92	3.72
Maharashtra	70.47	71.57	1.10	1.56
Mumbai	36.28	35.79	-0.49	-1.35
North East	8.52	8.94	0.42	4.97
Orissa	26.62	26.55	-0.07	-0.26
Punjab	31.95	31.06	-0.90	-2.80
Rajasthan	49.16	50.24	1.08	2.19
T.N. (incl. Chennai)	77.68	79.53	1.85	2.39
U.P.(E)	75.07	77.43	2.36	3.14
U.P.(W)	53.64	55.26	1.62	3.02
Kolkata	24.99	25.58	0.59	2.36
West Bengal	46.27	47.25	0.97	2.10
<b>All India</b>	<b>919.17</b>	<b>934.09</b>	<b>14.92</b>	<b>1.62</b>

**Table 1.10: Service Area wise Wireless Teledensity as on  
30th June, 2012**

<b>Service Area</b>	<b>Rural Teledensity</b>	<b>Urban Teledensity</b>	<b>Total Teledensity</b>
Andhra Pradesh	47.37	179.62	78.69
Assam	7.79	148.00	47.95
Bihar	16.93	185.94	47.73
Delhi	--	--	223.35
Gujarat	12.08	142.66	89.76
Haryana	16.94	148.64	88.86
Himachal Pradesh	271.49	401.89	108.29
Jammu & Kashmir	173.30	117.08	56.01
Karnataka	52.14	177.72	94.40
Kerala	125.09	222.28	99.73
Madhya Pradesh	0.00	128.93	54.40
Maharashtra*	26.32	136.66	92.14
Mumbai*			
North East	108.58	152.59	66.81
Orissa	68.58	203.12	64.41
Punjab	98.03	161.91	104.88
Rajasthan	68.20	161.31	72.55
T.N. (incl. Chennai)	67.29	160.80	114.49
U.P.(E)*	16.99	157.82	61.56
U.P.(W)*			
Kolkata*	513.22	169.82	79.40
W.B.*			
<b>All India</b>	<b>39.80</b>	<b>162.46</b>	<b>76.99</b>

\* Population data/projections are available state-wise only

Notes:

1. Teledensity figures are derived from the subscriber data provided by the operators and the population projections, for Urban and Rural areas, of the country, published by the Office of the Registrar General & Census Commissioner, India.
2. Delhi service area, apart from the State of Delhi, includes the areas served by the local exchanges of Ghaziabad & Noida (in UP) and Gurgaon & Faridabad (in Haryana).

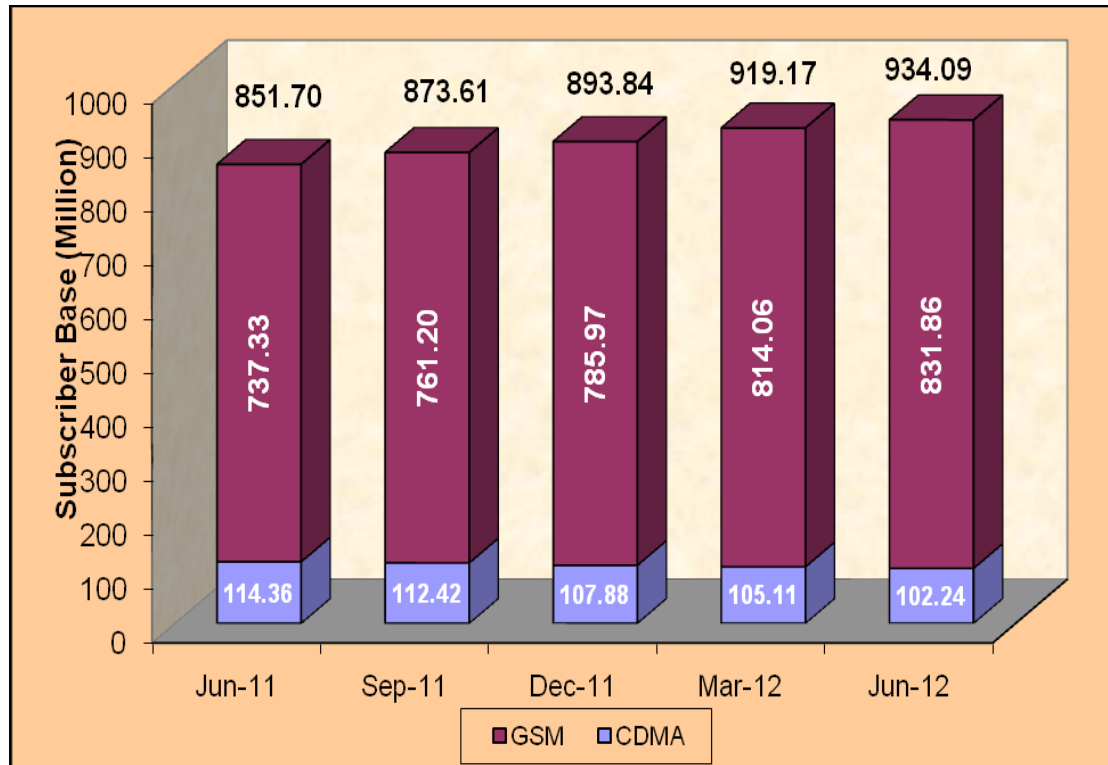
**Table 1.11: Rural Wireless Subscribers and Market Share**

Service Provider	Subscribers at the end of Jun-12 (in millions)	Rural Subscribers (in millions)		Percentage of Rural subscribers in total		Market Share of Rural Subscribers (%)	
		Mar-12	Jun-12	Mar-12	Jun-12	Mar-12	Jun-12
Bharti	187.30	75.83	79.23	41.83	42.30	23.46	23.54
Reliance	154.60	34.02	34.51	22.23	22.32	10.52	10.26
Vodafone	153.71	62.84	69.19	41.76	45.01	19.44	20.56
IDEA/Spice	117.16	60.51	64.00	53.68	54.62	18.72	19.02
BSNL	98.28	34.53	34.21	35.05	34.81	10.68	10.16
Tata	80.23	16.70	16.18	20.43	20.16	5.17	4.81
Aircel/Dishnet	64.88	22.54	23.47	36.02	36.18	6.97	6.98
Unitech	45.58	12.11	13.01	28.55	28.55	3.75	3.87
Sistema	16.55	2.61	2.67	16.52	16.12	0.81	0.79
Videocon	5.58	0	0.00	0.00	0.00	0.00	0.00
MTNL	5.57	0	0.00	0.00	0.00	0.00	0.00
Loop	3.15	0	0.00	0.00	0.00	0.00	0.00
Quadrant (HFCL)	1.51	0.0003	0.04	0.02	2.58	0.0001	0.01
S Tel	-	1.58	-	46.09	-	0.49	-
Etisalat	-	0	-	0.00	-	0.00	-
<b>Total</b>	<b>934.09</b>	<b>323.27</b>	<b>336.51</b>	<b>35.17</b>	<b>36.02</b>	<b>100</b>	<b>100</b>

1.17 Detailed table on service provider wise subscriber base in each service area is at Annexure-1.2.



**Chart 1.8: Wireless Subscription: GSM vs CDMA**



1.18 CDMA subscriber base declined from 105.11 million at the end of Mar-12 to 102.24 million at the end of Jun-12. At the end of June-12, GSM subscribers constituted 89.06% of the wireless market.

## **GSM Services**

1.19 The GSM subscribers were 831.86 million at the end of Jun-12 as against 814.06 million at the quarter ending Mar-12, showing a growth of 2.19%. Bharti with 187.30 million subscribers continues to be the largest GSM mobile operator, followed by Vodafone (153.71 million).

**Table 1.12: Group-wise Market Share (in terms of subscription) within GSM Service**

Service Provider	Mar-12		Jun-12		Net Additions (in millions)
	No of Subscribers (in millions)	Market Share (%)	No of Subscribers (in millions)	Market Share (%)	
<b>Bharti</b>	181.28	22.27	187.30	22.52	6.02
<b>Vodafone</b>	150.47	18.48	153.71	18.48	3.24
<b>Idea</b>	112.72	13.85	117.16	14.08	4.44
<b>Reliance</b>	96.99	11.91	97.87	11.77	0.88
<b>BSNL</b>	94.51	11.61	94.79	11.39	0.28
<b>Aircel/Dishnet</b>	62.57	7.69	64.88	7.80	2.30
<b>Tata</b>	52.77	6.48	55.02	6.61	2.25
<b>Unitech</b>	42.43	5.21	45.58	5.48	3.15
<b>Videocon</b>	5.95	0.73	5.58	0.67	-0.37
<b>MTNL</b>	5.59	0.69	5.33	0.64	-0.25
<b>Loop</b>	3.27	0.40	3.15	0.38	-0.12
<b>Quadrant(HFCL)</b>	1.30	0.16	1.49	0.18	0.18
<b>S Tel</b>	3.43	0.42	-	-	-3.43
<b>Etisalat</b>	0.78	0.10	-	-	-0.78
<b>Total</b>	<b>814.06</b>	<b>100</b>	<b>831.86</b>	<b>100</b>	<b>17.79</b>

1.20 Net additions declined from 28.10 million in quarter ending Mar-12 to 17.79 million in the quarter ending Jun-12.

## **CDMA Services**

1.21 The CDMA subscriber base further declined from 105.11 million at the end of Mar-12 to 102.24 million at the end of Jun-12, thereby showing a -ve growth rate of 2.73%. Reliance with 56.73 million subscribers continues to be the largest CDMA mobile operator. However, in terms of net additions during the quarter, Sistema continued to add the highest number of subscribers (0.75 million), followed by Reliance (0.67 million), rest of the service providers recorded decline in subscribers.

**Table 1.13: Market Share (in terms of subscription) within CDMA Service**

<b>Service Provider</b>	<b>Mar-12</b>		<b>Jun-12</b>		<b>Net Additions (in millions)</b>
	<b>No of Subscribers (in millions)</b>	<b>Market Share (%)</b>	<b>No of Subscribers (in millions)</b>	<b>Market Share (%)</b>	
Reliance	56.06	53.33	56.73	55.49	0.67
Tata	28.97	27.56	25.20	24.65	-3.77
Sistema	15.80	15.03	16.55	16.19	0.75
BSNL	4.00	3.81	3.49	3.41	-0.51
MTNL	0.25	0.24	0.24	0.23	-0.01
Quadrant (HFCL)	0.03	0.03	0.02	0.02	-0.003
<b>Total</b>	<b>105.11</b>	<b>100</b>	<b>102.24</b>	<b>100</b>	<b>-2.87</b>

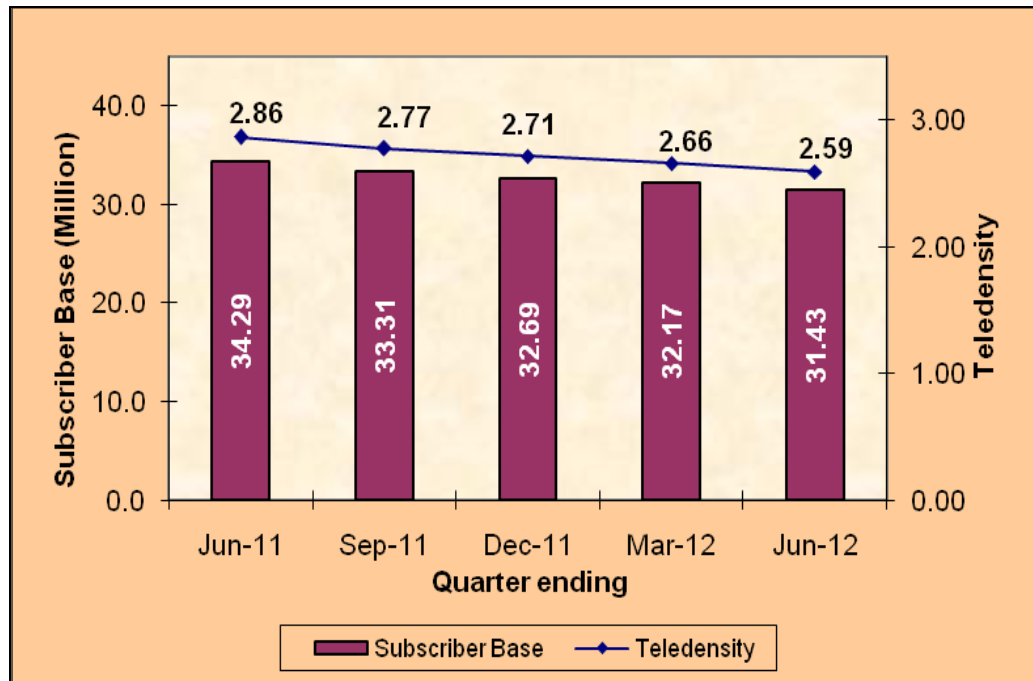
1.22 There has been a net decline of 2.87 million subscribers during the quarter ending Jun-12.

## Section C: Wireline Service

**Table 1.14: Service Providers providing Wireline service [as on 3th June, 2012]**

Sl. No.	Name of the Service Provider	Area of Operation
1	BSNL	All India except Delhi & Mumbai
2	MTNL	Delhi & Mumbai
3	Bharti Airtel Ltd	Andhra Pradesh, Delhi, Gujarat, Haryana, Karnataka, Kerala, Kolkata, Madhya Pradesh, Maharashtra, Mumbai, Punjab, Rajasthan, Tamil Nadu (incl. Chennai), UP(East) and UP(West)
4	Tata Teleservices Ltd. & Tata Teleservices (Mah) Ltd.	All India
5	Quadrant Televentures Ltd. (HFCL)	Punjab
6	Sistema Shyam Telelink Ltd.	Rajasthan
7	Reliance Communications Ltd.	All India except Assam & North-East
8	Vodafone	Andhra Pradesh, Chennai, Delhi, Gujarat, Karnataka, Kolkata, Madhya Pradesh, Maharashtra, Mumbai, Orissa, Punjab and Rajasthan

**Chart 1.9: Wireline Subscriber Base and Teledensity**

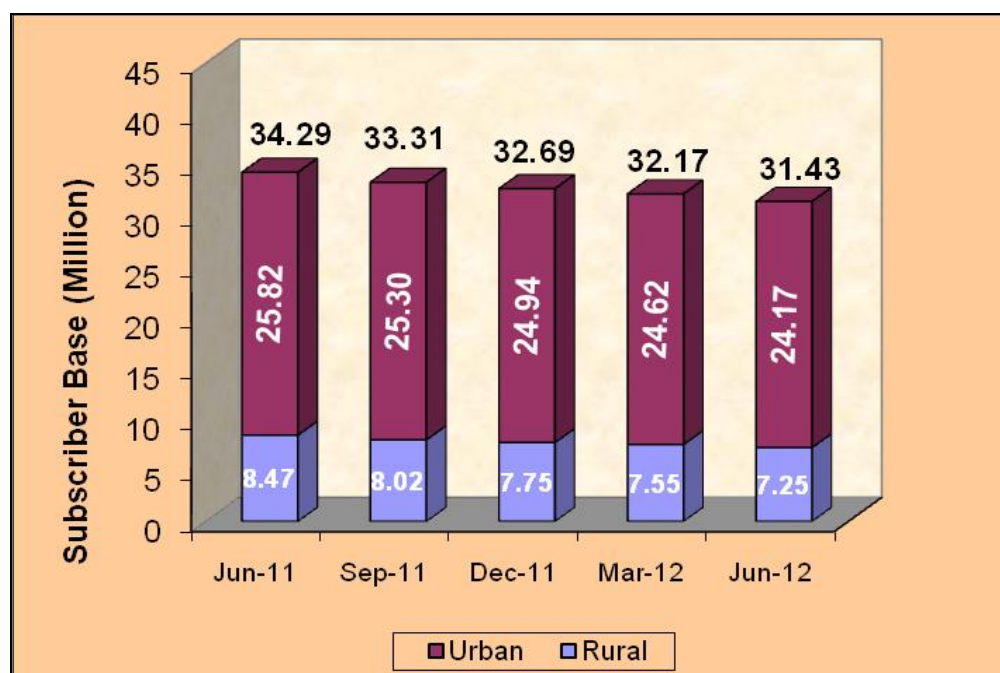


**Table 1.15: Wireline Subscriber Base & Teledensity – Rural & Urban**

Quarter ending	Subscriber Base (million)		Teledensity	
	Rural	Urban	Rural	Urban
Jun-11	8.47	25.82	1.01	7.16
Sep-11	8.02	25.30	0.95	6.98
Dec-11	7.75	24.94	0.92	6.85
Mar-12	7.55	24.62	0.89	6.73
Jun-12	7.25	24.17	0.86	6.57

1.23 Wireline subscriber base further declined from 32.17 million at the end of Mar-12 to 31.43 million at the end of Jun-12. Wireline Teledensity is 2.59. Rural subscriber base has shown Y-o-Y decline of 14.38%, from 8.47 Million at the end of Jun-11 to 7.25 Million at the end of Jun-12. During the same period, Urban subscription recorded decline of 6.37%.

**Chart 1.10: Wireline Market share – Rural & Urban**



**Table 1.16: Service Provider wise Subscribers (Rural & Urban) & Share of Rural Subscription**

Service Provider	Subscriber Base (million) Jun-12			Share of Rural subscription (%)
	Rural	Urban	Total	
BSNL	7.20	14.51	21.71	33.16
MTNL	-	3.45	3.45	-
Bharti	-	3.27	3.27	-
Reliance	0.002	1.27	1.27	0.14
Tata	0.05	1.41	1.46	3.17
Quadrant (HFCL)	-	0.20	0.20	-
Sistema	0.01	0.04	0.05	14.93
Vodafone	-	0.02	0.02	-
<b>Total</b>	<b>7.25</b>	<b>24.17</b>	<b>31.43</b>	<b>23.08</b>

**Table 1.17: Service Provider wise growth in Subscribers**

Service Provider	Subscriber Base (million)			Rate of change (%)	Market share-Mar-12 (%)	Market share-Jun-12 (%)
	Mar-12	Jun-12	Net Additions			
BSNL	22.47	21.71	-0.758	-3.37	69.84	69.08
MTNL	3.46	3.45	-0.004	-0.10	10.75	10.99
Bharti	3.27	3.27	0.002	0.06	10.16	10.41
Tata	1.44	1.46	0.017	1.19	4.48	4.64
Reliance	1.27	1.27	-0.001	-0.10	3.95	4.04
Quadrant (HFCL)	0.20	0.20	-0.004	-1.98	0.62	0.63
Sistema	0.05	0.05	0.002	3.96	0.15	0.15
Vodafone	0.02	0.02	0.002	11.76	0.06	0.06
<b>Total</b>	<b>32.17</b>	<b>31.43</b>	<b>-0.743</b>	<b>-2.31</b>	<b>100</b>	<b>100</b>

**Table 1.18: Service Area wise Wireline Subscribers**

Service Area	Mar-12	Jun-12	Net Additions	Rate of Change (%)
Andhra Pradesh	2.36	2.32	-0.045	-1.93
Assam	0.23	0.20	-0.027	-11.90
Bihar	0.61	0.56	-0.050	-8.12
Delhi	2.91	2.92	0.009	0.31
Gujarat	1.83	1.81	-0.022	-1.19
Haryana	0.59	0.58	-0.008	-1.27
Himachal Pradesh	0.31	0.30	-0.005	-1.67
Jammu & Kashmir	0.20	0.20	-0.002	-0.85
Karnataka	2.69	2.46	-0.227	-8.43
Kerala	3.19	3.17	-0.023	-0.73
Madhya Pradesh	1.14	1.13	-0.013	-1.10
Maharashtra	2.65	2.63	-0.019	-0.73
Mumbai	3.01	3.00	-0.008	-0.27
North East	0.25	0.25	-0.001	-0.24
Orissa	0.46	0.40	-0.066	-14.34
Punjab	1.44	1.43	-0.012	-0.84
Rajasthan	1.16	1.13	-0.030	-2.58
T.N. (incl. Chennai)	3.19	3.17	-0.025	-0.79
U.P.(E)	1.27	1.19	-0.083	-6.51
U.P.(W)	0.80	0.79	-0.008	-1.01
Kolkata	1.18	1.16	-0.019	-1.64
W.B.	0.68	0.62	-0.059	-8.67
<b>All India</b>	<b>32.17</b>	<b>31.43</b>	<b>-0.743</b>	<b>-2.31</b>

1.24 Only Delhi Service Area showed positive growth in wireline service.

**Table 1.19: Service Area wise Wireline Teledensity as on  
30th June, 2012**

<b>Service Area</b>	<b>Rural Teledensity</b>	<b>Urban Teledensity</b>	<b>Total Teledensity</b>
Andhra Pradesh	1.07	6.94	2.70
Assam	0.15	3.41	0.65
Bihar	0.15	2.20	0.43
Delhi	-	-	15.25
Gujarat	1.03	5.82	2.98
Haryana	1.05	4.54	2.25
Himachal Pradesh	3.86	8.75	4.41
Jammu & Kashmir	0.44	5.09	1.70
Karnataka	1.10	9.05	4.09
Kerala	8.06	11.98	9.06
Madhya Pradesh	0.22	3.67	1.14
Maharashtra*	1.09	9.05	4.83
Mumbai*			
North East	0.62	5.79	1.88
Orissa	0.35	3.93	0.96
Punjab	2.54	8.02	4.83
Rajasthan	0.61	4.89	1.64
T.N.	1.86	6.67	4.56
U.P.(E)*	0.25	3.23	0.92
U.P.(W)*			
Kolkata*	0.44	5.73	1.95
W.B.*			
<b>All India</b>	<b>0.86</b>	<b>6.57</b>	<b>2.59</b>

\* Population data/projections are available state-wise only

Notes:

1. Teledensity figures are derived from the subscriber data provided by the operators and the population projections, for Urban and Rural areas, of the country, published by the Office of the Registrar General & Census Commissioner, India.

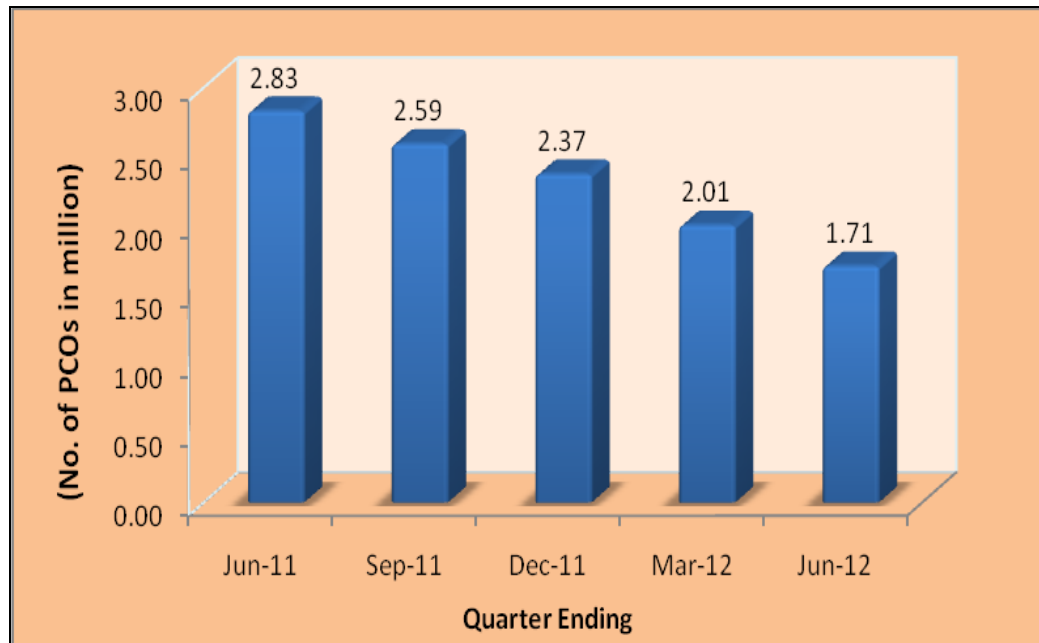
1.25 Detailed table on service provider wise subscriber base in each service area is at Annexure-1.3.



## Public Call Offices (PCO)

1.26 Total number of PCOs in the country at the end of Jun-12 is 1.71 million as compared to 2.01 million at the end of Mar-12, showing a reduction of 0.29 million PCOs. Detailed table is at Annexure -1.4.

**Chart 1.11: Number of PCOs**



1.27 Number of PCOs continued to show declining trend. This quarter has recorded a decline of 14.62%. The year-on-year (Y-O-Y) decline over the same quarter of the last year is 39.51%.

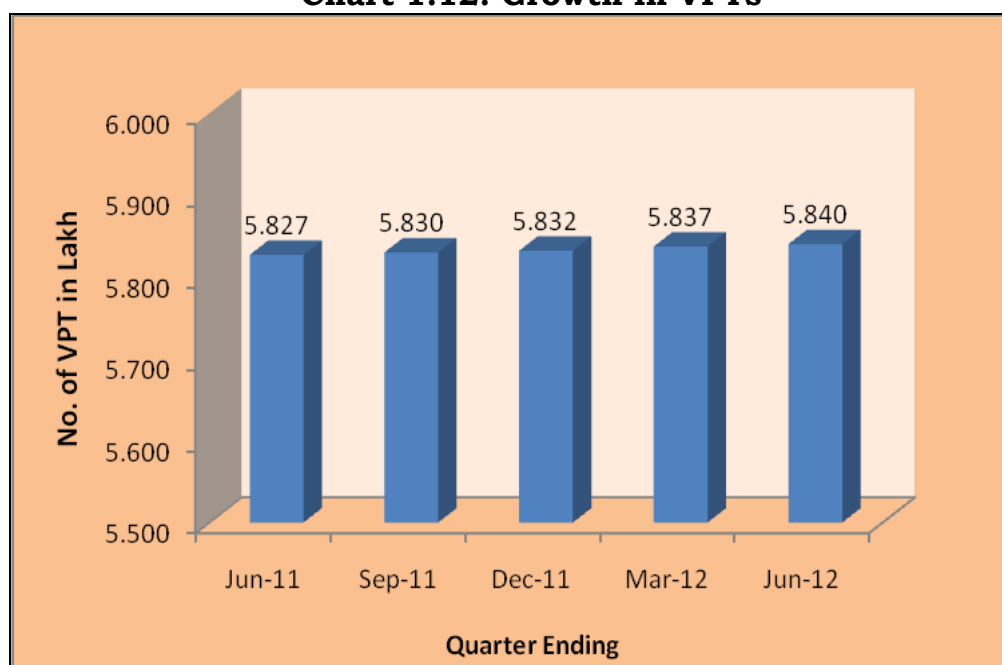
**Table 1.20: Rate of change & Market share of PCOs**

Service Provider	Mar-12	Jun-12	Rate of change	% Market share (Mar-12)
BSNL	1.08	1.01	-6.96	58.69
MTNL	0.16	0.16	-1.36	9.16
Bharti	0.05	0.04	-7.21	2.60
Quadrant (HFCL)	0.01	0.01	-8.69	0.30
Sistema	0.02	0.02	-2.75	1.12
Tata	0.46	0.28	-39.00	16.34
Reliance	0.23	0.20	-13.84	11.79
Vodafone	-	-	-	-
<b>Total</b>	<b>2.01</b>	<b>1.71</b>	<b>-14.62</b>	<b>100.00</b>

### Village Public Telephones (VPTs)

1.28 There are 5,93,731 inhabited villages in India as per census 2001. The number of VPTs slightly increased from 583718 at the end of Mar-12 to 584020 at the end of Jun-12. At the end of Jun-12, 98.36% of the total inhabited villages in India have been connected. Detailed table is at Annexure -1.5.

**Chart 1.12: Growth in VPTs**

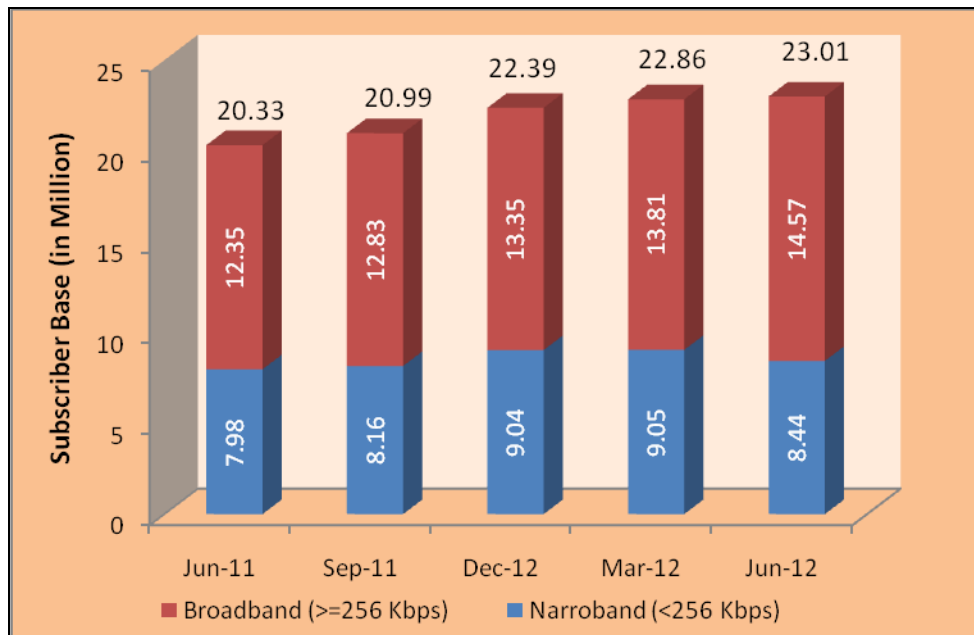


## Section D: Internet Service

1.29 There are 23.01 million Internet subscribers at the end of Jun-12 as compared to 22.86 million at the end of Mar-12, registering a growth of 0.66%. Apart from this, 460.84 million wireless subscribers have subscribed to Data services, as reported by the wireless service providers.

1.30 Number of Broadband subscribers increased from 13.81 million at the end of Mar-12 to 14.57 million at the end of Jun-12, registering a quarterly growth of 5.49% and Y-O-Y growth of 17.97%.

**Chart 1.13: Trends in Internet subscription**



1.31 Share of Broadband subscription in total Internet subscription increased from 60.4% at the end of Mar-12 to 63.31% at the end of Jun-12.

1.32 Number of Narrowband subscribers decreased from 9.05 million at the end of Mar-12 to 8.44 million at the end of Jun-12, thereby showing a negative growth of 6.71% as against a positive growth of 0.11% in the previous quarter i.e. QE Mar-12.

**Table 1.21: Trends in subscribers (in Million) of PSUs Vs. Pvt. Internet Service Providers**

<b>Quarter ending</b>	<b>PSU ISPs</b>	<b>Private ISPs</b>	<b>Total</b>	<b>% Share of PSUs</b>
Jun-11	14.07	6.26	20.33	69.22
Sep-11	14.43	6.56	20.99	68.75
Dec-11	14.85	7.55	22.39	66.30
Mar-12	15.19	7.67	22.86	66.45
Jun-12	15.01	8.00	23.01	65.24

1.33 The total Internet leased line customers stood at 47,397 at the end of Jun-12 as compared to 51,227 at the end of Mar-12, registering an decrease of about 7.48%.

1.34 There are 8044 Cyber Cafes at the end of Jun-12 as compared to 8123 at the end of Mar-12 registering a decrease of 0.97% during the quarter.

1.35 As per the reports available with the TRAI, 36 ISPs are providing Internet Telephony services presently. The list is at Annexure-1.6.

## ISP Connectivity

1.36 The International Internet bandwidth owned by various ISPs is reported to be 821 GB during this quarter as compared to 819 GB in QE Mar-12.

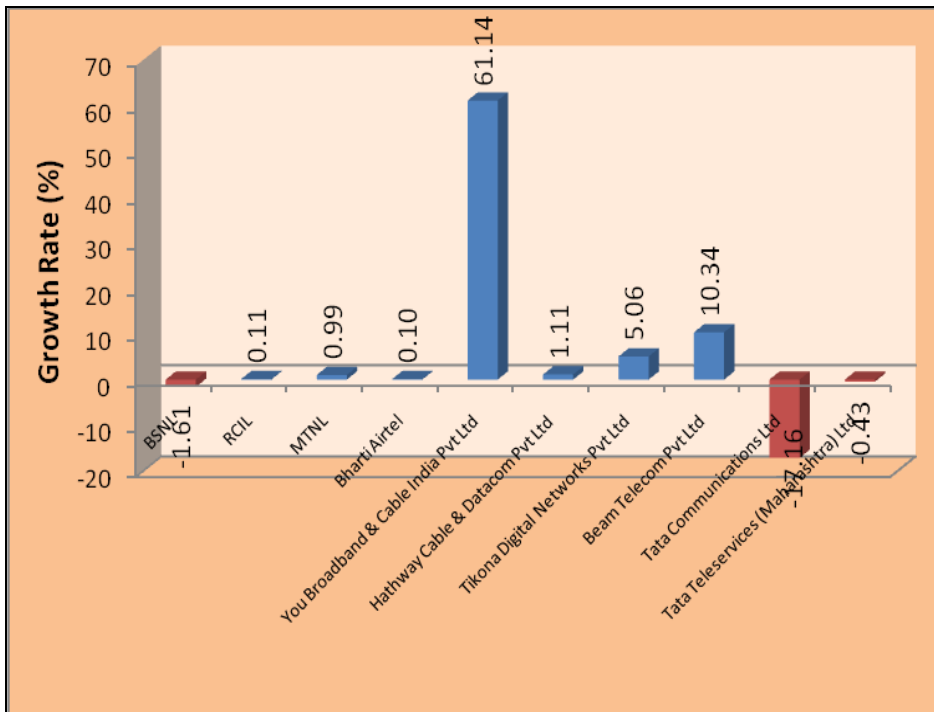
**Table 1.22: Internet Subscriber Base & Market share of top 10 ISPs**

S.No	ISP	Category	Service Area	Subs	Share (%)
1	Bharat Sanchar Nigam Ltd.	A	All India	12442892	54.07%
2	Reliance Communications Infrastructure Limited	A	All India	3580768	15.56%
3	Mahanagar Telephone Nigam Ltd.	B	Delhi & Mumbai	2568736	11.16%
4	Bharti Airtel Ltd.	A	All India	1383036	6.01%
5	You Broadband & Cable India Private Limited	A	All India	678815	2.95%
6	Hathway Cable & Datacom Pvt. Ltd.	A	All India	365447	1.59%
7	Tikona Digital Networks Pvt Ltd	A	All India	292270	1.27%
8	Beam Telecom Pvt. Ltd.	B	Andhra Pardesh	222279	0.97%
9	Tata Communications Limited	A	All India	150644	0.65%
10	Tata Teleservices (Maharashtra) Ltd.	A	All India	111020	0.48%
	<b>Total of Top 10 ISPs</b>			<b>21795907</b>	<b>94.72%</b>
	<b>Others</b>			<b>1214736</b>	<b>5.28%</b>
	<b>Grand Total</b>			<b>23010643</b>	<b>100.00%</b>

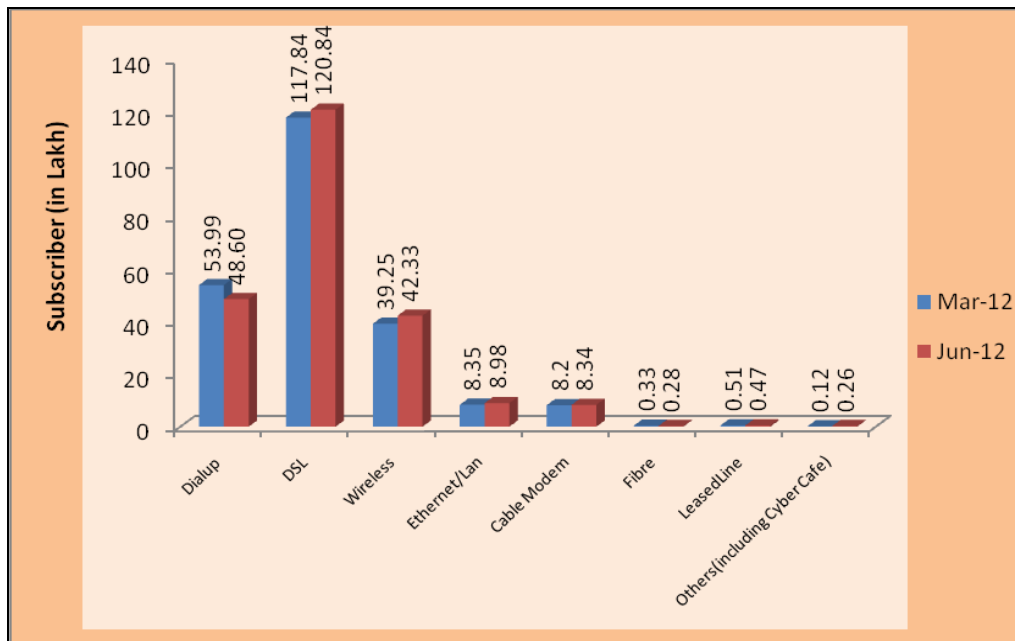
1.37 BSNL holds 54.07% of the market share with reported subscriber base of 12.44 million Internet subscribers at the end of Jun-12. Reliance is at second position (3.58 million) followed by MTNL (2.57 million). Detailed table with subscriber numbers & growth rates of all the ISPs is at Annexure-1.7.

1.38 Top 10 ISPs together hold 94.72% of the total Internet subscriber base.

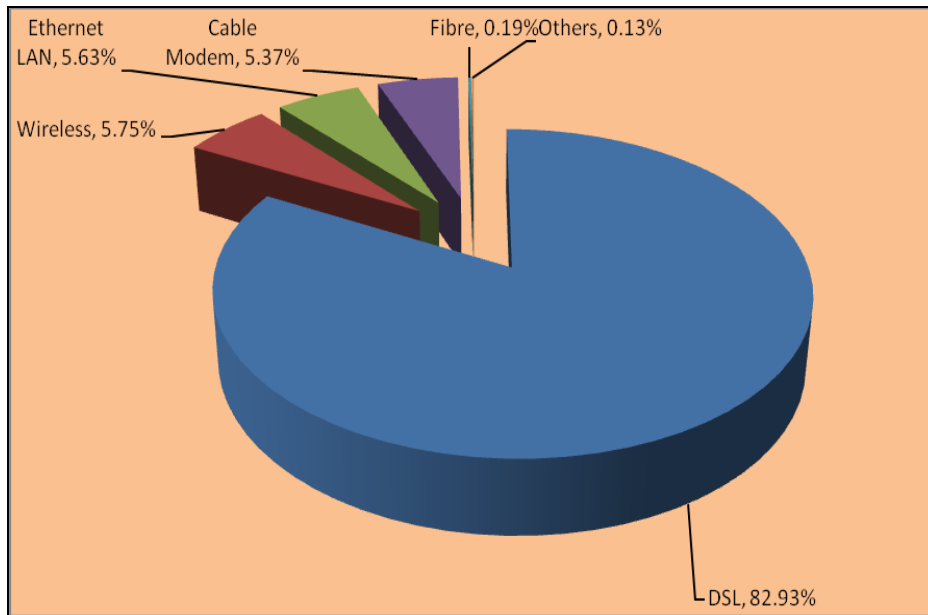
**Chart 1.14: Growth achieved by top ten ISPs during the quarter**



**Chart 1.15: Technology trends for Internet Access (including Broadband)**

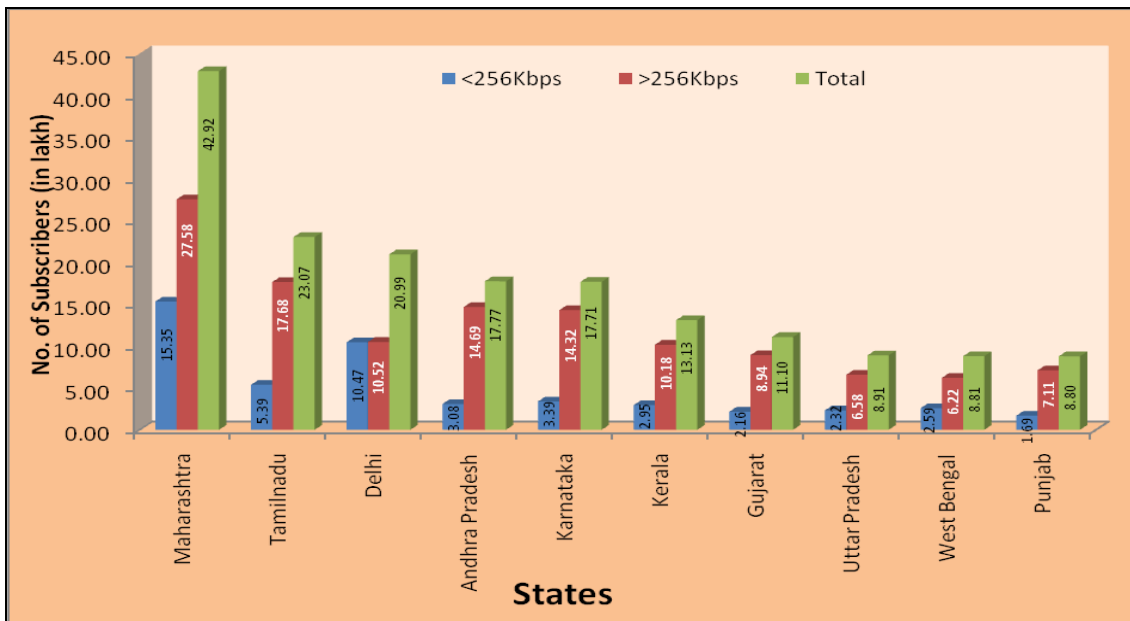


**Chart 1.16: Broadband Access - Technologies & Market Share**



1.39 DSL (Digital Subscriber Line) is the most preferred technology used by the Service Providers to provide Broadband Services and it constitutes 82.93% of total broadband subscribers, followed by Cable Wireless (5.75%) and Ethernet LAN (5.63%).

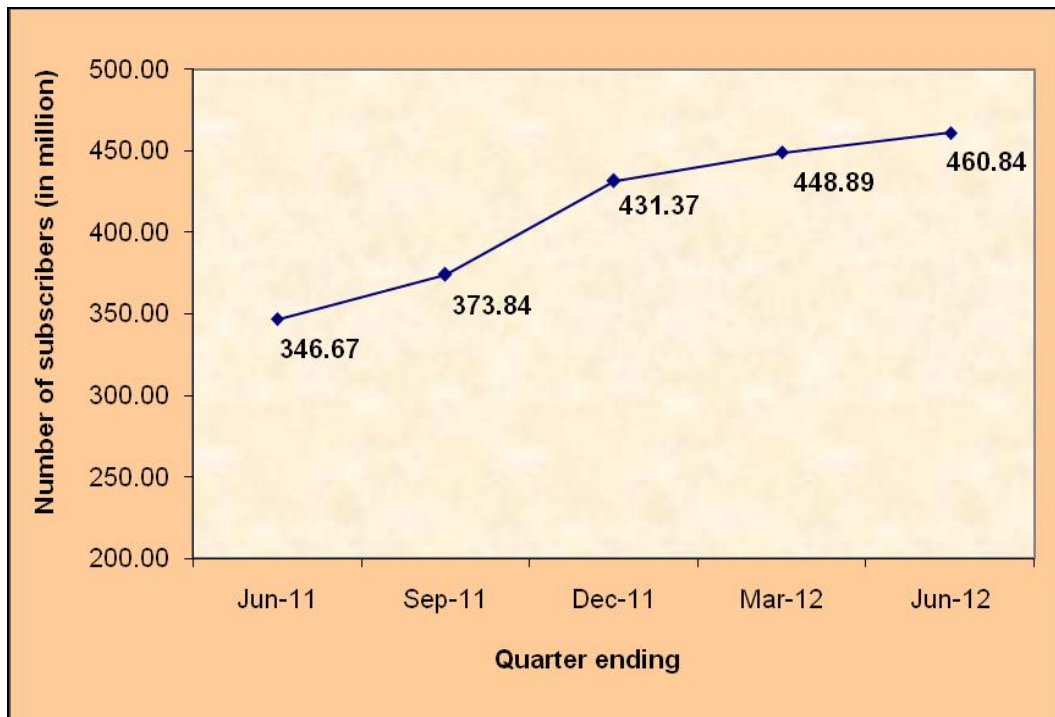
**Chart 1.17: Speed Category wise data on Internet/broadband subscribers for top 10 States**



1.40 Maharashtra is having largest Internet (<256 Kbps) and Broadband (>=256 Kbps) subscriber base in the country. Tamil Nadu is at second place in internet and broadband subscriber base.

1.41 At the end of Jun-12, in all the top 10 states, the number of broadband subscribers is more than the number of narrowband subscribers.

**Chart 1.18: Growth of wireless subscribers capable of Accessing Data services/Internet**



Note: The above chart depicts the number of subscribers who have subscribed to Data Services

1.42 49.34% of total wireless subscribers base are capable of Accessing Data Services/Internet at the end of Jun-12 as against 48.84% at the end of previous quarter.



**Table 1.23: Service Provider wise details of Data Services  
Subscriber Base of Data Services**

Subscriber Base of Data Services			
S.No.	Service Provider	Data Subscribers as on 30th June 2012 (in millions)	
1	Aircel	19.67	
2	Bharti	185.04	
3	Loop	3.15	
4	BSNL*	GPRS	79.59
		CDMA 2000 XI	0.03
5	HFCL#	1.49	
6	Vodafone	71.37	
7	Idea	20.82	
8	MTNL*	GPRS#	2.82
		CDMA 2000 XI	0.03
9	RTL	5.34	
10	RCL*	GPRS	5.84
		CDMA 2000 XI	5.48
11	Sistema@	1.73	
12	Tata*	GPRS	4.76
		CDMA 2000 XI	2.53
13	Unitech#	45.58	
14	Videocon#	5.58	
	<b>Total</b>	<b>460.84</b>	

\* = Provides GSM & CDMA Based services.

@ = Provides CDMA based services only.

# = As reported by M/s Videocon, M/s Unitech, M/s MTNL, Delhi & M/s HFCL for GSM Services, data services are enabled to all subscribers

## Section E : Other Value Added Services – PMRTS & VSAT

### Public Mobile Radio Trunk Services (PMRTS)

**Table 1.24: PMRTS Subscriber base – Service Provider wise**

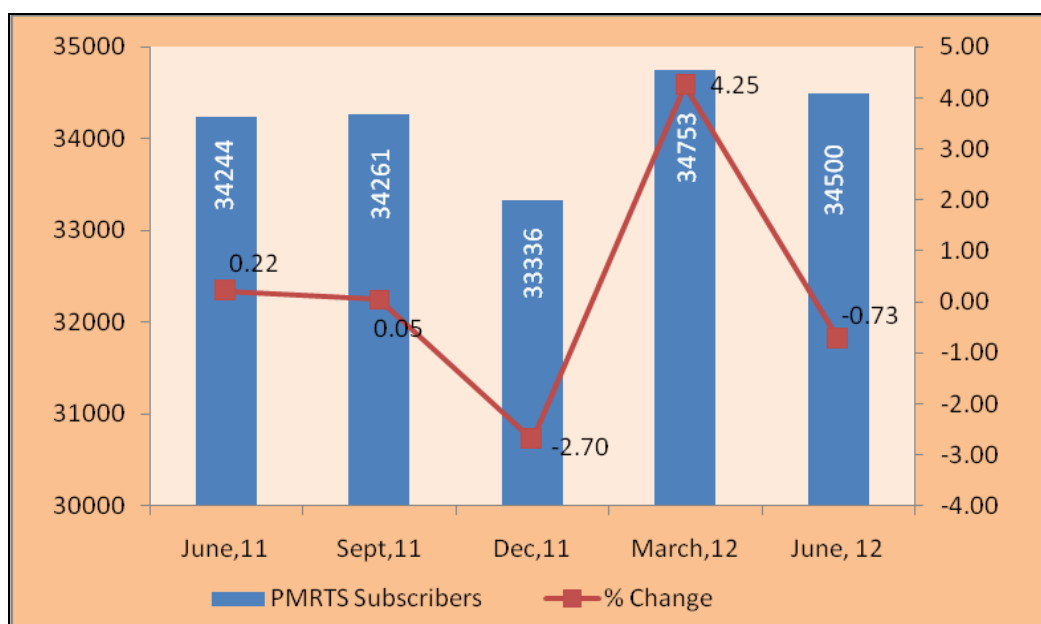
<b>Sr. No.</b>	<b>Name of the Service Provider</b>	<b>Subscriber Base as on 31.03.12</b>	<b>Subscriber Base as on 30.06.12</b>	<b>%age Growth in Subscribers</b>	<b>%age in Market Share</b>
1	<b>Arya Omnitalk Radio Trunking Services Pvt.Ltd.</b>	22129	22919	3.57	66.43
2	<b>Procall Ltd.</b>	6518	6206	-4.79	17.99
3	<b>Smartalk Pvt Ltd.</b>	1546	1379	-10.80	4.00
4	<b>QuickCall</b>	3449	3060	-11.28	8.87
5	<b>Bhilwara Telenet Services Pvt.Ltd.</b>	1111	936	-15.75	2.71
6	<b>India Satcom Ltd.*</b>	0	0	0.00	0.00
	<b>Total</b>	<b>34753</b>	<b>34500</b>	<b>-0.73</b>	<b>100.00</b>

**\*M/s India Satcom Ltd. reported that their MRTS department is non functional and they do not have any subscriber.**

1.43 The subscriber base of PMRTS decreased from 34,753 at the end of QE Mar-12 to 34,500 at the end of Jun-12.

1.44 Detailed table on Service Area wise subscriber base is at Annexure-1.8.

**Chart 1.19: Number of PMRTS subscribers & Rate of Change (%)**



### Very Small Aperture Terminal (VSAT)

**Table 1.25: VSAT Service Providers currently providing service & subscriber base**

Sr. No	Name of Service Provider	Subscriber base at the Quarter ending		%age change	Market Share (%)
		Mar-12	Jun-12		
1	<b>Hughes Communications Ltd.</b>	55803	57834	3.64	34.22
2	<b>HCL Comnet</b>	23922	23853	-0.29	14.11
3	<b>Bharti Airtel Limited, Bangalore</b>	46747	47040	0.63	27.84
4	<b>Bharti Broadband</b>	148	141	-4.73	0.08
5	<b>Essel Shyam</b>	2728	2728	0.00	1.61
6	<b>Tatanet Services</b>	20999	23851	13.58	14.11
7	<b>ITI</b>	0	0	0.00	0.00
8	<b>GNFC</b>	0	0	0.00	0.00
9	<b>BSNL</b>	10050	10520	4.68	6.23
10	<b>Infotel Satcom</b>	1689	1661	-1.66	0.98
11	<b>Infinium India Ltd.</b>	1366	1366	0.00	0.81
	<b>Total</b>	<b>163452</b>	<b>168994</b>	<b>3.39</b>	<b>100.00</b>

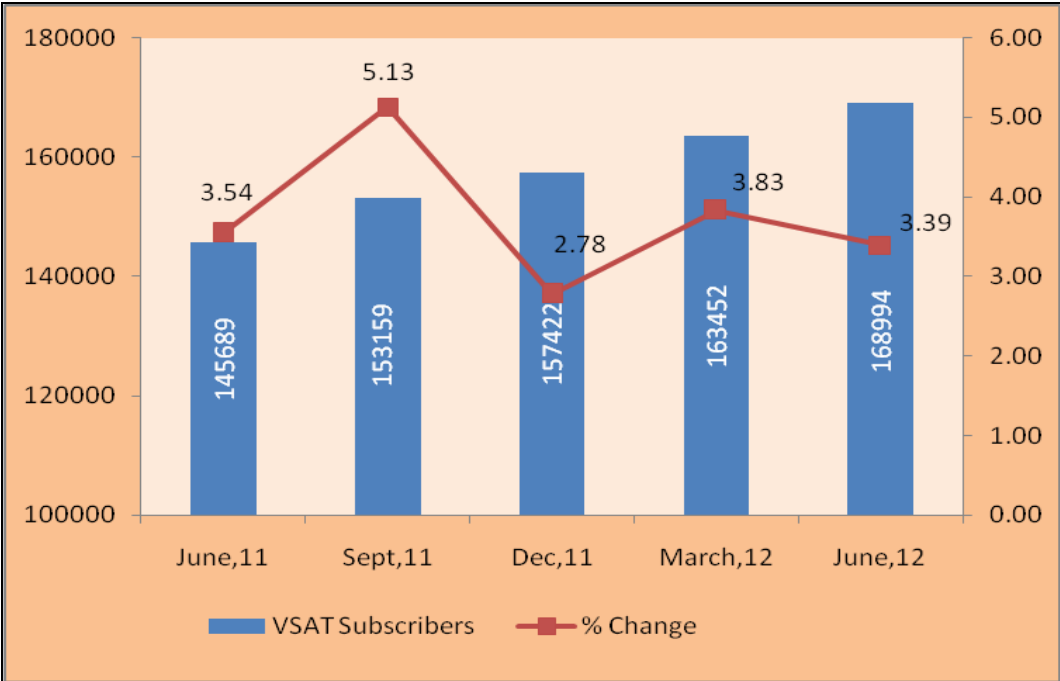
Note: M/s ITI and M/s GNFC have surrendered complete Bandwidth in extended C-Band with effect from 1st October 2009 and 15th March 2009 respectively. However, they have not surrendered their licenses. As of now their subscriber base is zero.

1.45 The total number of VSAT subscribers increased to 168994 at the end of Jun-12 from 163452 at the end of Mar-12. Net additions during the quarter has been 5542 and, the growth rate 3.39%.

1.46 Hughes Communication Limited with subscriber base of 57834 continues to be the market leader.

1.47 HCL Comnet, Bharti Broadband & Infotel Satcom have registered decline in VSAT subscribers in this quarter.

**Chart 1.20: Number of VSAT Subscribers & Rate of Change (%)**



# Chapter 2 : Revenue and Usage

- 
- For all the parameters, Metros indicate data for Delhi, Mumbai & Kolkata. Data for Chennai service area has been included in Circle A, as part of TN
  - ARPU arrived after adjusting interconnect charges
  - The data contained in the section A & B covers the licensees, who have been providing service during the entire period from 1st April, 2012 to 30<sup>th</sup> June, 2012 in the various service areas.

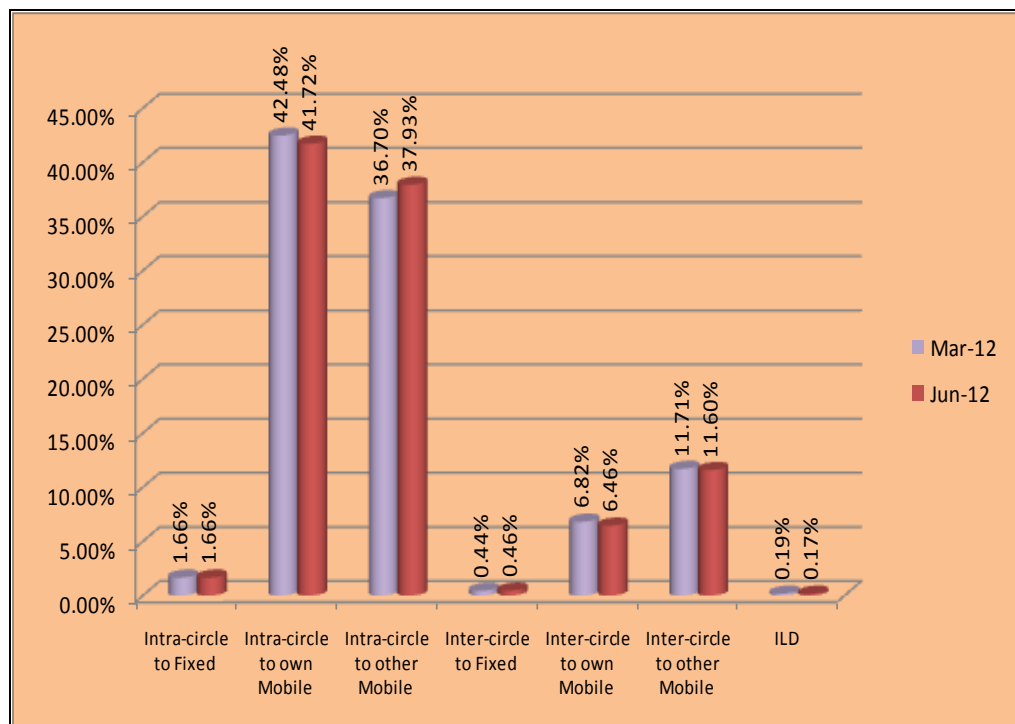
## Section A: GSM Service

**Table 2.1: Key Indicators - GSM Service**

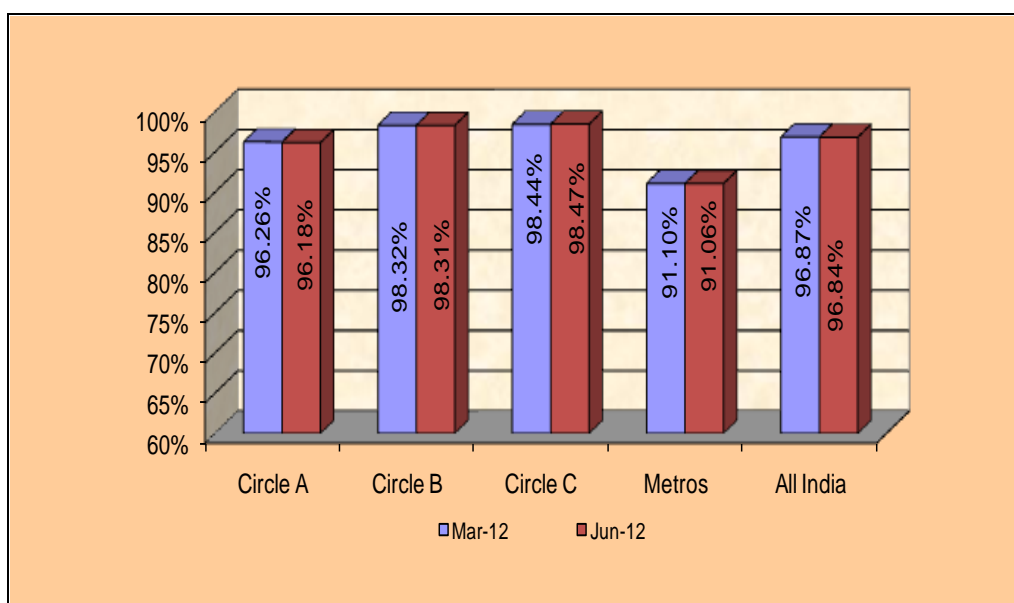
Parameter	QE Jun-11	QE Mar-12	QE Jun-12	QoQ %age change over Mar-12	YoY %age change over Jun-11
Subscriber Base (million)	736.14	810.52	831.02	2.53	12.89
Share of Prepaid (%)	96.91	96.87	96.84	-0.03	-0.08
Incoming MOU* per sub. per month	177	179	178	-0.19	0.72
Outgoing MOU* per sub. per month	167	167	167	0.04	0.23
Outgoing SMS per sub. per month	45	37	38	1.97	-15.72
Average Revenue Per User (ARPU) per month	98	97	95	-1.94	-2.11

\* Minutes of Usage

**Chart 2.1: Outgoing Traffic Pattern - GSM Service**



**Chart 2.2: Proportion of prepaid subscribers - GSM Service**



Note: Subscriber figures are closing figures as on the last day of the respective quarters

2.1 Market share of prepaid segment slightly declined from 96.87% at the end of Mar-12 to 96.84% at the end of Jun-12.

**Table 2.2: Monthly ARPU - GSM Service**

(` per month)

Circle category	Postpaid	Prepaid	Blended ARPU
Circle A	509	87	103
Circle B	517	78	86
Circle C	456	83	89
Metro	594	71	118
<b>All India</b>	<b>532</b>	<b>81</b>	<b>95</b>
All private SPs	559	83	98
BSNL/MTNL	382	65	78

2.2 The all India blended ARPU per month increased by 1.94% from `97 in QE Mar-12 to `95 in QE Jun-12.

2.3 Prepaid ARPU decreased from `83 in Mar-12 to `81 in Jun-12 and Postpaid ARPU decreased from `554 to `532 in this quarter.

**Table 2.3: Composition of Revenue (%) - GSM Service**

Item	QE Mar-12	QE Jun-12
Rental Revenue	20.33	18.10
Revenue from Calls	51.02	53.37
Revenue from SMS	7.03	5.74
Revenue from Roaming	8.65	8.79
Other Revenues *	12.97	13.99

\* Other revenue includes revenue from other value added services, installation etc.

**Table 2.4: MOU & SMS (per subscriber per month) - GSM Service**

Circle category	Postpaid				Prepaid			
	Outgoing MOU	Incoming MOU	Total MOU	Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU	Outgoing SMS
Circle A	549	453	1002	83	157	159	316	53
Circle B	532	479	1010	56	146	170	316	26
Circle C	531	456	987	51	172	213	385	24
Metro	503	374	877	76	167	145	312	48
<b>All India</b>	<b>531</b>	<b>436</b>	<b>967</b>	<b>73</b>	<b>156</b>	<b>170</b>	<b>325</b>	<b>37</b>

Circle category	BLENDED [Postpaid + Prepaid]			
	Outgoing MOU	Incoming MOU	Total MOU	Outgoing SMS
Circle A	172	170	342	54
Circle B	152	175	327	26
Circle C	178	217	395	24
Metro	197	165	363	50
<b>All India</b>	<b>167</b>	<b>178</b>	<b>346</b>	<b>38</b>

- 2.4 The overall MOU per subscriber remained almost at the same level as in the previous quarter.
- 2.5 The overall ratio of incoming-outgoing MOUs remained unchanged at 52:48.
- 2.6 Outgoing SMS per subscriber per month increased by 1.97% from 37 in QE Mar-12 to 38 in QE Jun-12.



**Table 2.5: Outgoing Traffic (MOU) Pattern - GSM Service**

Circle Category	Intra-circle to Fixed (%)	Local (Intra-circle)		Inter-circle to Fixed (%)	NLD (Inter-circle)		ILD (%)
		to own Mobile (%)	to other Mobile (%)		to own Mobile (%)	to other Mobile (%)	
Circle A	1.80	39.56	42.52	0.40	5.26	10.27	0.18
Circle B	1.41	45.26	37.50	0.32	5.04	10.33	0.14
Circle C	1.41	52.63	30.81	0.56	5.19	9.34	0.06
Metros	2.29	23.79	34.16	0.93	16.07	22.35	0.41
<b>All India</b>	<b>1.66</b>	<b>41.72</b>	<b>37.93</b>	<b>0.46</b>	<b>6.46</b>	<b>11.60</b>	<b>0.17</b>

**Average Subscriber outgo\* per minute**

2.7 The tariff plans are of bundled nature and the trade-off is generally between monthly fixed charges and Variable (call) charges. The average outgo per outgoing minute (=Rental revenue plus call revenue per outgoing minute), therefore, is a realistic indicator of tariff levels. The table below provides the figures for the quarter ending Jun-12.

**Table 2.6: Average outgo\* per outgoing minute - GSM Service (₹ per month)**

Circle Category	Postpaid	Prepaid	Blended
Circle A	0.62	0.49	0.50
Circle B	0.62	0.45	0.46
Circle C	0.64	0.41	0.42
Metros	0.72	0.51	0.56
<b>All India</b>	<b>0.65</b>	<b>0.47</b>	<b>0.48</b>

\* Includes both Rental and call charges

2.9 All India average outgo per minute declined from `0.49 in the QE Mar-12 to `0.48 in the QE Jun-12.

**Table 2.7: Trends of Key Parameters - GSM Service**

<b>Parameter</b>	<b>Jun-11</b>	<b>Sep-11</b>	<b>Dec-11</b>	<b>Mar-12</b>	<b>Jun-12</b>
<b>1. ARPU (` Per month)</b>	98	93	96	97	95
<b>2. MOU per subscriber per month</b>	344	331	332	346	346
<b>3. Outgoing MOU per subscriber per month</b>					
<b>3.1 Local (Intra-circle)</b>	137	129	131	135	136
<b>3.2 NLD (inter-circle)</b>	30	30	30	32	31
<b>3.3 ILD</b>	0.4	0.3	0.3	0.3	0.3
<b>4. Outgoing SMS per subscriber per month</b>					
<b>SMS</b>	45	45	36	37	38
<b>5. Average Outgo per outgoing minute (`)</b>	0.50	0.50	0.51	0.49	0.48

2.10 Service Area wise statistics are available at Annexure-2.1.

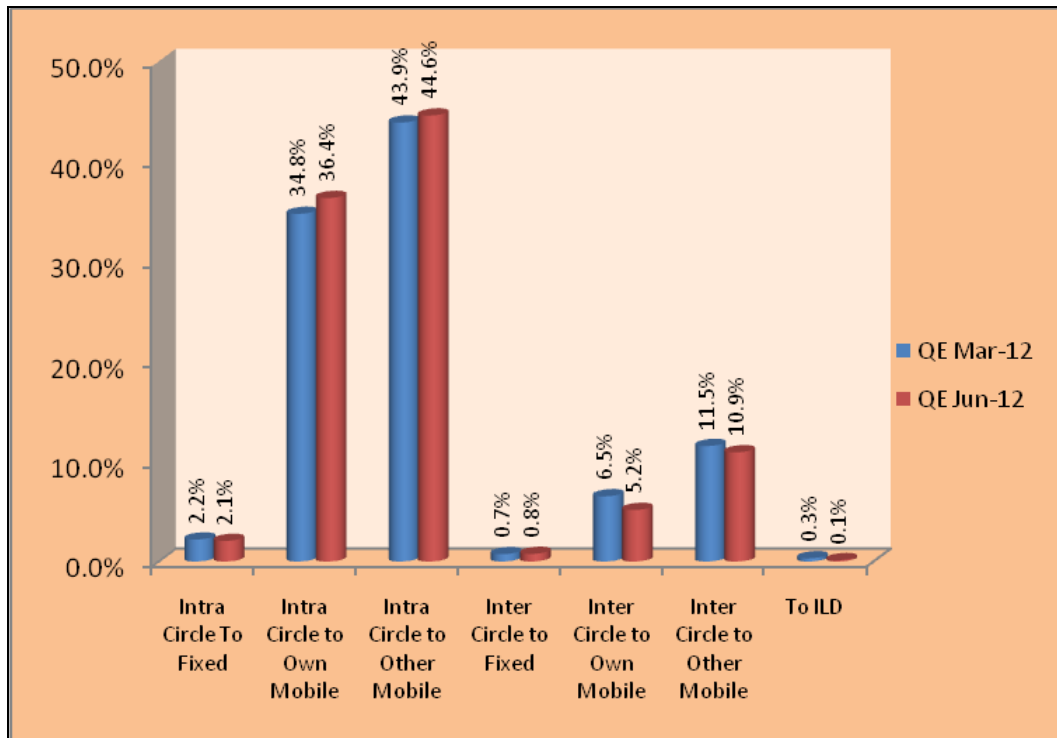
## Section B: CDMA – Full Mobility Service

**Table 2.8: Key Indicators – CDMA Full Mobility Service**

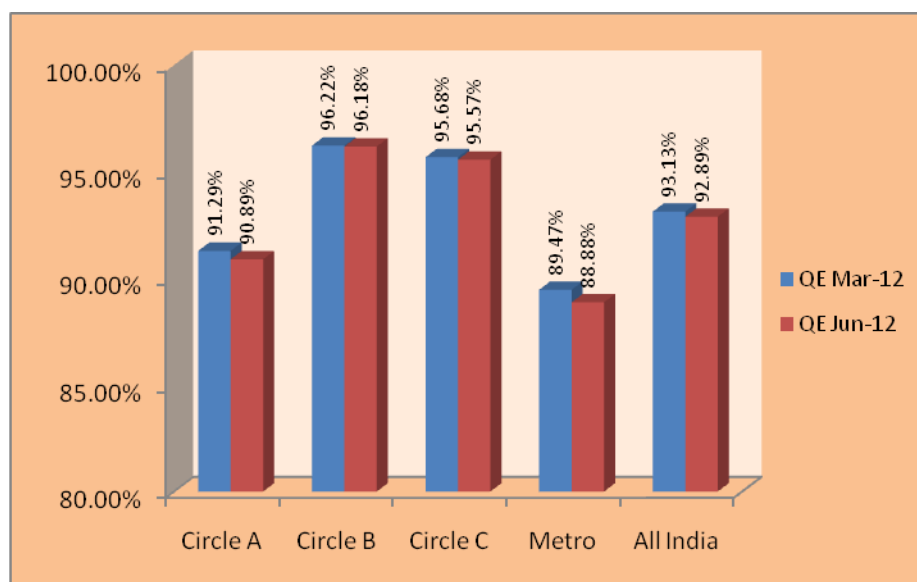
Parameter	Mar-12	Jun-12	% Change
Subscriber Base in millions*	89.6	87.4	-2.4
Share of Prepaid (%)	93.1%	92.9%	-0.3
Incoming MOUs per subs per month	112	114	1.0
Outgoing MOUs per subs per month	117	115	-1.6
Outgoing SMS per subs per month	16	22	41.4
ARPU (₹ Per month)	75	75	-0.5

\* Subscriber figures are closing figures as on last day of the quarter.

**Chart 2.3: Outgoing Traffic Pattern – CDMA Full Mobility Service**



**Chart 2.4: Proportion of prepaid subscribers – CDMA Full Mobility Service**



2.11 Market share of Prepaid segment slightly declined from 93.13% in QE Mar-12 to 92.89% in QE Jun-12.

**Table 2.9: Monthly ARPU – CDMA Full Mobility Service**  
(` per month)

Circle category	Postpaid	Prepaid	Blended ARPU
Circle A	449	49	85
Circle B	365	41	53
Circle C	479	46	65
Metro	494	55	102
<b>All India</b>	<b>449</b>	<b>47</b>	<b>75</b>

2.12 The All India blended Average Revenue Per User (ARPU) per month has shown an decline of 0.50% from Rs. 75.3 in QE Mar-12 to Rs. 74.9 in QE Jun-12. ARPU for Prepaid service declined by 2.49% from Rs.48 in QE Mar-12 to Rs.47 in QE Jun-12. ARPU for Postpaid service has also marginally declined by 0.16% from Rs.450 in QE Mar-12 to Rs.449 in QE Jun-12.

**Table 2.10: Composition of Revenue (%)– CDMA Full Mobility Service**

Item	QE Mar-12	QE Jun-12
Rental Revenue	22.4	21.4
Revenue from Calls	41.5	42.1
Revenue from SMS	1.9	2.0
Revenue from Roaming	3.2	4.3
Other Revenues*	31.0	30.2

\* Other revenue includes revenue from other value added services, installation etc.

**Table 2.11: MOU & SMS (per subscriber per month) – CDMA Full Mobility Service**

Circle category	Postpaid				Prepaid			
	Outgoing MOU	Incoming MOU	Total MOU	Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU	Outgoing SMS
Circle A	289	164	454	50	86	99	185	17
Circle B	446	229	675	16	98	110	209	12
Circle C	454	246	700	9	133	142	274	8
Metro	288	162	449	283	104	105	209	21
<b>All India</b>	<b>330</b>	<b>181</b>	<b>512</b>	<b>118</b>	<b>99</b>	<b>109</b>	<b>208</b>	<b>15</b>

Circle category	Blended (postpaid + prepaid)			
	Outgoing MOU	Incoming MOU	Total MOU	Outgoing SMS
Circle A	104	104	208	20
Circle B	112	115	226	12
Circle C	146	146	293	8
Metro	123	111	235	49
<b>All India</b>	<b>115</b>	<b>114</b>	<b>229</b>	<b>22</b>

2.13 The total MOU per subscriber per month decreased by 0.31%, from 229.3 in QE Mar-12 to 228.6 in QE Jun-12. The outgoing MOUs decreased by 1.57% however the incoming MOUs increased by 1%.

2.14 Prepaid MOUs increased by 0.70% and postpaid MOUs decreased by 7.15%.

2.15 Outgoing SMS per subscriber per month has gone up to 22 in QE Jun-12 from 16 in QE Mar-12.

**Table 2.12: Outgoing Traffic Pattern – CDMA Full Mobility Service**

Circle Category	Intra-circle to Fixed (%)	Local (Intra-circle)		Inter-circle to Fixed (%)	NLD (Inter-circle)		ILD (%)
		to own Mobile (%)	to other Mobile (%)		to own Mobile (%)	to other Mobile (%)	
Circle A	2.6	33.4	50.1	0.8	4.2	8.7	0.3
Circle B	1.3	41.3	43.9	0.7	4.7	7.9	0.1
Circle C	1.5	35.2	52.6	0.6	3.6	6.4	0.0
Metros	2.9	32.9	34.7	0.9	7.8	20.7	0.2
<b>All India</b>	<b>2.1</b>	<b>36.4</b>	<b>44.6</b>	<b>0.8</b>	<b>5.2</b>	<b>10.9</b>	<b>0.1</b>

**Table 2.13: Average outgo\* per outgoing minute – CDMA Full Mobility Service**  
[ ` Per min]

<b>Circle Category</b>	<b>Postpaid</b>	<b>Prepaid</b>	<b>Blended</b>
Circle A	0.97	0.44	0.57
Circle B	0.61	0.34	0.38
Circle C	0.45	0.28	0.30
Metros	0.91	0.44	0.56
<b>All India</b>	<b>0.81</b>	<b>0.38</b>	<b>0.47</b>

\* Includes both Rental and call charges

2.16 All India average outgo per minute remain the same as previous quarter i.e. `0.47.

**Table 2.14: Trends of Key Parameters – CDMA Full Mobility Service**

<b>Parameter</b>	<b>Jun-11</b>	<b>Sep-11</b>	<b>Dec-11</b>	<b>Mar-12</b>	<b>Jun-12</b>
<b>1. ARPU ( ` Per month)</b>	64	71	73	75	75
<b>2. MOU per subscriber per month</b>	238	230	226	229	229
<b>3. Outgoing MOU per subscriber per month</b>					
<b>3.1 Local (Intra-circle)</b>	97	93	92	95	96
<b>3.2 NLD (inter-circle)</b>	22	23	22	22	19
<b>3.3 ILD</b>	0.19	0.18	0.15	0.37	0.15
<b>4. Outgoing SMS per subscriber per month SMS</b>	15	15	14	16	22
<b>5. Average Outgo per outgoing minute ( `)</b>	0.50	0.47	0.49	0.47	0.47

Service Area wise statistics are available at Annexure-2.2.

## Section C: Internet Service

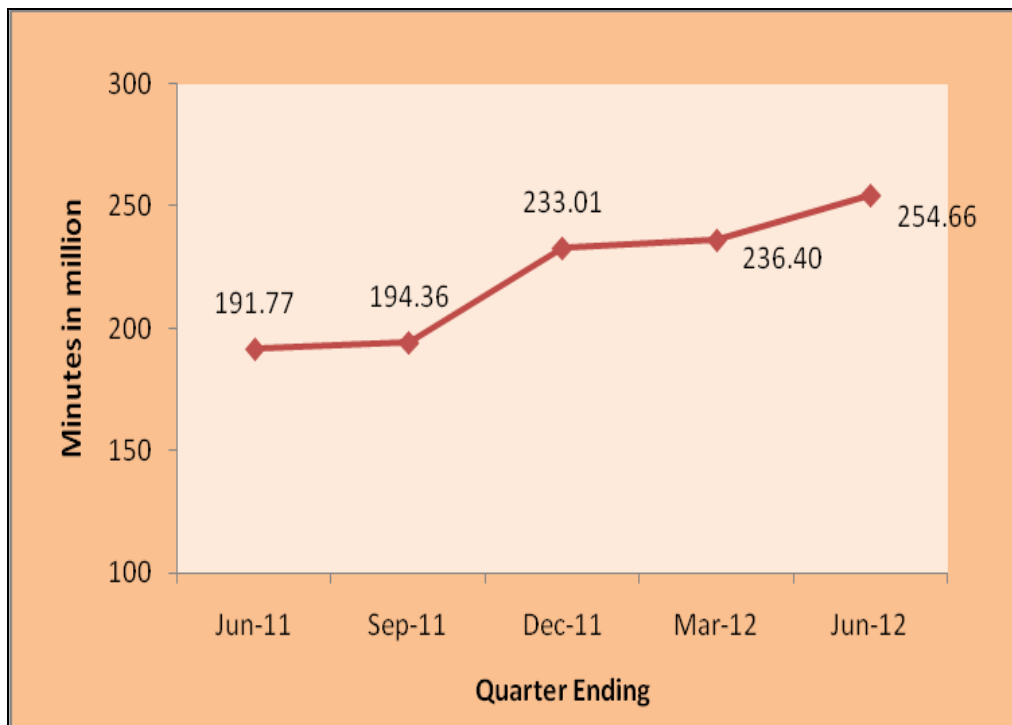
### Revenue of ISPs

2.17 The total Revenue of the Internet Services as reported by ISPs was ₹2828.24 crores for the quarter ending Jun-12 as compared to ₹2,923.90 crores for the quarter ending Mar-12, showing a decrease of 3.27%.

### Internet Telephony

2.18 Total Minutes of Usage (MOU) for Internet Telephony increased from 236.40 million in QE Mar-12 to 254.66 million in QE Jun-12.

**Chart 2.5: Trends in MOU for Internet Telephony**





# **Chapter 3 : Financial Data of Telecom Service Sector**

**Table 3.1: Gross Revenue (GR), Adjusted Gross Revenue (AGR), License Fee (LF) & Spectrum Charges**

<b>Particulars</b>	<b>QE Jun-11 (` in Crore)</b>	<b>QE Mar-12 (` in Crore)</b>	<b>QE Jun-12 (` in Crore)</b>	<b>Q-O-Q % Change Over Mar-12</b>	<b>Y-O-Y % Change over Jun-11</b>
Gross Revenue (GR)	46891.61	49242.99	52512.1	6.64	11.99
Adjusted Gross Revenue (AGR)	32589.93	34457.07	35499.01	3.02	8.93
Pass Through (GR-AGR)	14301.68	14785.92	17013.08	15.06	18.96
License Fee	2699.14	2852.43	2941.02	3.11	8.96
Spectrum Charges	1169.62	1262.99	1292.06	2.30	10.47

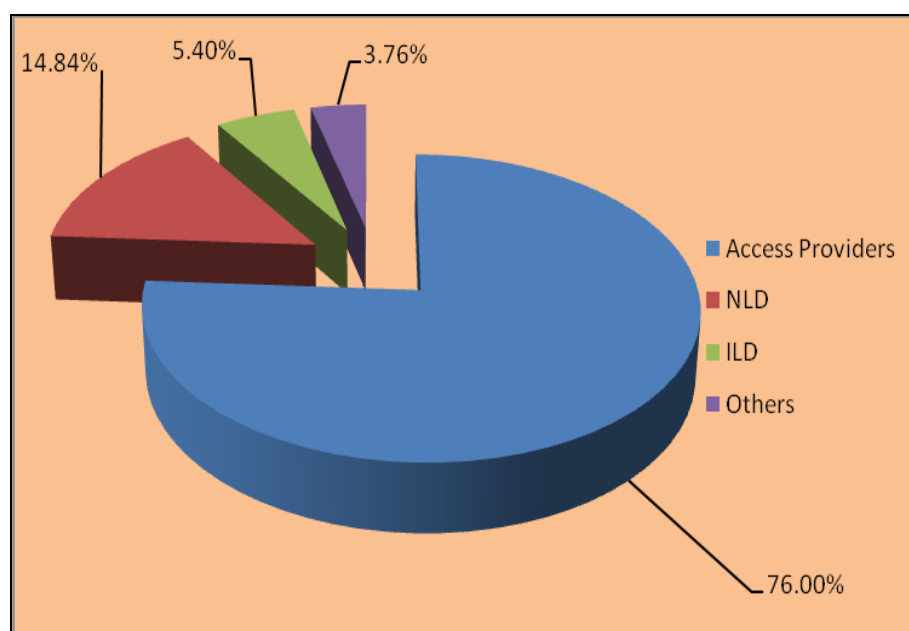
- 3.1 Gross Revenue increased by 6.64% and AGR increased by 3.02% in the QE Jun-12.
- 3.2 Pass through increased by 15.06% in the QE Jun-12 and on annual basis it has increased by 18.96%.
- 3.3 Pass-through charges as % Gross Revenue: 32.40% as against 30.03% in the previous quarter.
- 3.4 Average License fee as % Adjusted Gross Revenue: 8.28%.
- 3.5 Public sector undertakings' share to total GR: 15.69%.

**Table 3.2: Service-wise Gross Revenue, Adjusted Gross Revenue (AGR), License Fee and Spectrum Charges**

(₹ in Crore)

Service	GR	AGR	LF	Spectrum Charges
<b>Access Providers</b>	39906.83	28225.28	2504.57	1289.89
<b>NLD</b>	7795.07	5929.58	355.77	0.00
<b>ILD</b>	2837.24	1215.46	72.96	0.00
<b>Others</b>	1972.96	128.7	7.72	2.18
<b>Total</b>	<b>52512.10</b>	<b>35499.02</b>	<b>2941.02</b>	<b>1292.07</b>

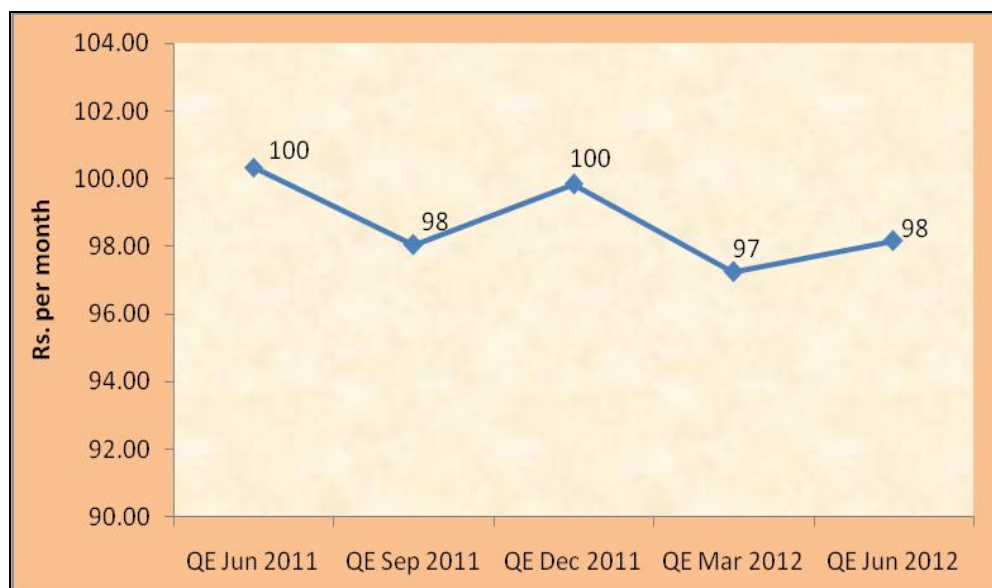
**Chart 3.1: Composition of Gross Revenue**



3.6 Access services contributed 76.00% of the total revenue of telecom services. In Access services Gross Revenue, AGR & License Fee & Spectrum Charges increased by 3.77%, 2.98, 3.10 & 2.32% respectively during the quarter.

3.7 Monthly ARPU based on AGR for Access services is ₹98 for the Q.E. Jun-12. Chart below shows the trend in ARPU.

**Chart 3.2: Trend in ARPU per month for Access Services**



**Table 3.3: Access Services – Service Provider wise Gross Revenue**  
(` in Crore)

Service	QE Mar-12	QE Jun-12	% Change
<b>Bharti</b>	10565.79	11238.37	6.37
<b>Vodafone</b>	8204.11	8406.37	2.47
<b>Idea</b>	5441.93	5575.31	2.45
<b>BSNL</b>	4029.49	4282.30	6.27
<b>Tata</b>	3194.84	3211.72	0.53
<b>Reliance</b>	2996.53	2859.88	-4.56
<b>Aircel</b>	1750.94	1851.24	5.73
<b>Unitech</b>	865.02	971.31	12.29
<b>MTNL</b>	765.10	888.48	16.13
<b>Sistema Shyam</b>	417.75	415.43	-0.56
<b>Loop</b>	175.09	151.55	-13.44
<b>Quadrant Tele</b>	50.44	54.88	8.80
<b>Videocon*</b>	-	-	-
<b>Grand Total (Access)</b>	<b>38457.03</b>	<b>39906.84</b>	<b>3.77</b>

\* Data not submitted

**Table 3.4: Category-wise share in Access Services Gross Revenue (GR)**

<b>Category</b>	<b>Gross Revenue for QE Jun-12 (` in Cr.)</b>	<b>% age share of Gross Revenue</b>
Metro	7207.46	18.06
A	14886.60	37.30
B	13296.92	33.32
C	4515.84	11.32
<b>Total</b>	<b>39906.83</b>	<b>100.00</b>

**Notes:**

1. *Source: Figures are un-audited and as submitted by the Operators.*
2. *The figures have been regrouped wherever considered necessary for analysis purpose.*
3. *The Spectrum charges (mostly) are now reported on “Payment for the current Quarter” basis. However, some operators are reporting on payment basis or on estimate basis on projected AGR for next quarter.*
4. *Metro area includes Delhi, Mumbai and Kolkata only. Chennai is clubbed with Tamilnadu.*
5. *The analysis does not include data for M/s Etisalat, M/s Loop Telecom and M/s S-Tel since they have intimated regarding discontinuation of their business operations.*

# **Chapter 4 : Quality of Service (QoS)**

## Section A: Quality of Service Performance of Wireless Service Providers

**Table 4.1: QoS Summary - Wireless Service**

S. No.	Parameters	Benchmark	No. of Operators not Meeting the Benchmarks			
			Quarter Ending March, 2012		Quarter Ending June, 2012	
			Out Of 229(Nos.)	Out Of 229 (in %)	Out Of 229(Nos.)	Out Of 229 (in %)
<b>I.</b>	<b><i>Network Related Parameters</i></b>					
<b>1</b>	<b>Network Availability</b>					
(i)	BTSs Accumulated downtime (not available for service)	≤ 2%	3	1.31	3	1.31
(ii)	Worst affected BTSs due to downtime	≤ 2%	8	3.49	9	3.93
<b>2</b>	<b>Connection Establishment (Accessibility)</b>					
(i)	Call Set-up Success Rate (within licensee's own network)	≥ 95%	0	0	0	0.00
(ii)	SDCCH/ Paging Chl. Congestion	≤ 1%	1	0.44	3	1.31
(iii)	TCH Congestion	≤ 2%	2	0.87	1	0.44
<b>3</b>	<b>Connection Maintenance (Retainability)</b>					
(i)	Call Drop Rate	≤ 2%	2	0.87	3	1.31
(ii)	Worst affected cells having more than 3% TCH drop (call drop) rate	≤ 3%	21	9.17	20	8.73
(iii)	Connection with good voice quality	≥ 95%	0	0.00	0	0.00

S. No.	Parameters	Benchmark	No. of Operators not Meeting the Benchmarks			
			Quarter Ending March, 2012		Quarter Ending June, 2012	
			Out Of 229(Nos.)	Out Of 229 (in %)	Out Of 229(Nos.)	Out Of 229 (in %)
<b>4</b>	<b>Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark) (Averaged over a period of quarter)</b>	<b>≤ 0.5%</b>	<b>15</b>	<b>6.55</b>	<b>5</b>	<b>2.18</b>
<b>II.</b>	<b>Customer Service Quality Parameters</b>					
<b>5</b>	<b>Metering and Billing</b>					
(i)	Metering and billing credibility - post paid	≤ 0.1%	3	1.31	6	2.62
(ii)	Metering and billing credibility - pre paid	≤ 0.1%	3	1.31	8	3.49
(iii)	Resolution of billing/charging/validity complaints	100% within 4 weeks	2	0.87	2	0.87
(iv)	Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of complaints	within 1 week of resolution of complaint	0	0.00	0	0.00
<b>6</b>	<b>Response time to the customer for assistance</b>					
(i)	Accessibility of call centre/ customer care	≥ 95%	3	1.31	2	0.87
(ii)	%age of calls answered by the operators (voice to voice) within 60 seconds	≥ 90%	49	21.40	50	21.83
<b>7</b>	<b>Termination / closure of service</b>					
(i)	%age requests for Termination / Closure of service complied within 7 days	100% within 7 days	3	1.31	4	1.75
(ii)	Time taken for refund of deposits after closures	100% within 60 days	5	2.18	4	1.75



- 4.1 The performance has improved in this quarter as compared to the previous quarter in respect of the following parameters :-
- a. TCH Congestion
  - b. Worst affected cells having more than 3% TCH drop (call drop) rate
  - c. Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark)
  - d. Accessibility of call centre/ customer care
  - e. Time taken for refund of deposits after closures
- 4.2 The performance has deteriorated in this quarter as compared to the previous quarter in respect of the following parameters:-
- a. Worst affected BTSs due to downtime
  - b. SDCCH/ Paging Chl. Congestion
  - c. Call Drop Rate
  - d. Metering and billing credibility - post paid
  - e. Metering and billing credibility - pre paid
  - f. %age of calls answered by the operators (voice to voice) within 60 sec
  - g. %age requests for Termination / Closure of service complied within 7 days
- 4.3 The performance remained unchanged in this quarter as compared to the previous quarter in respect of the following parameters:-
- a. BTSs Accumulated downtime (not available for service)
  - b. Call Set-up Success Rate (within licensee's own network)
  - c. Connection with good voice quality
  - d. Resolution of billing/ charging/ validity complaints.
  - e. Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of complaints

**Table 4.2: Parameter wise Performance of Wireless Service Providers**

Parameter	Service Provider	Benchmark	Service Area	Performance
BTSs Accumulated downtime (not available for service) (%age)	BSNL	$\leq 2\%$	BH	3.38
	BSNL	$\leq 2\%$	NE	2.10
	TATA GSM*	$\leq 2\%$	HP	4.56
Worst affected BTSs due to downtime (%age)	Aircel	$\leq 2\%$	J&K	9.12
	Aircel	$\leq 2\%$	OR	6.72
	Aircel	$\leq 2\%$	WB	2.77
	BSNL	$\leq 2\%$	ASM	7.30
	BSNL	$\leq 2\%$	BH	3.60
	BSNL	$\leq 2\%$	NE	5.15
	BSNL	$\leq 2\%$	UPW	6.92
	BSNL	$\leq 2\%$	WB	2.15
	TATA GSM*	$\leq 2\%$	HP	16.67
	SDCCH/ Paging Chl. Congestion (%age)	BSNL	$\leq 1\%$	NE
Vodafone		$\leq 1\%$	BH	1.08
Vodafone		$\leq 1\%$	WB	1.12
TCH Congestion (%age)	Vodafone	$\leq 2\%$	BH	2.85
Call Drop Rate (%age)	BSNL	$\leq 2\%$	NE	2.07
	BSNL	$\leq 2\%$	UPW	2.20

	TATA GSM*	≤ 2%	HP	3.92
Worst affected cells having more than 3% TCH drop (call drop) rate (%age)	Aircel	≤ 3%	ASM	4.11
	Aircel	≤ 3%	HP	9.38
	Aircel	≤ 3%	J&K	3.29
	Aircel	≤ 3%	NE	3.95
	Aircel	≤ 3%	OR	3.22
	Aircel	≤ 3%	WB	5.34
	BSNL	≤ 3%	ASM	3.27
	BSNL	≤ 3%	BH	3.75
	BSNL	≤ 3%	KOL	4.20
	BSNL	≤ 3%	KTK	3.03
	BSNL	≤ 3%	MH	3.60
	BSNL	≤ 3%	MP	3.55
	BSNL	≤ 3%	NE	5.88
	BSNL	≤ 3%	PNJ	5.70
	BSNL	≤ 3%	TN	3.97
	BSNL	≤ 3%	UPW	7.68
	BSNL	≤ 3%	WB	4.42
	TATA GSM	≤ 3%	UPE	6.00
	TATA GSM*	≤ 3%	HP	61.11
	Vodafone	≤ 3%	BH	11.73

Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark) (Averaged over a period of quarter )	Aircel	$\leq 0.5\%$	KOL	1
	BSNL	$\leq 0.5\%$	BIH	1
	BSNL	$\leq 0.5\%$	GJ	1
	Uninor	$\leq 0.5\%$	MH	2
	Uninor	$\leq 0.5\%$	TN	1
Metering and billing credibility - post paid	Aircel	$\leq 0.1\%$	KR	0.22
	Aircel	$\leq 0.1\%$	UPW	0.15
	Idea	$\leq 0.1\%$	KTK	0.17
	Loop Mobile	$\leq 0.1\%$	MBI	0.12
	Vodafone	$\leq 0.1\%$	HP	0.40
	Vodafone	$\leq 0.1\%$	KRL	0.27
Metering and billing credibility - pre paid	Aircel	$\leq 0.1\%$	AP	0.12
	Aircel	$\leq 0.1\%$	GUJ	0.29
	Aircel	$\leq 0.1\%$	KTK	0.16
	Aircel	$\leq 0.1\%$	MP	0.20
	Loop Mobile	$\leq 0.1\%$	MBI	0.26
	RCOM GSM	$\leq 0.1\%$	AP	0.11
	Uninor	$\leq 0.1\%$	UPW	0.18
	Vodafone	$\leq 0.1\%$	BH	0.25
Resolution of billing/charging/validity complaints	Aircel	100% within 4 weeks	TN	97.79
	BSNL	100% within 4 weeks	NE	75.50

Accessibility of call centre/ customer care	Idea	$\geq 95\%$	J&K	92.28
	Idea	$\geq 95\%$	UP(E)	93.56
Percentage of calls answered by the operators (voice to voice) within 60 seconds	Aircel	$\geq 90\%$	AP	69.00
	Aircel	$\geq 90\%$	ASM	89.00
	Aircel	$\geq 90\%$	BH	88.00
	Aircel	$\geq 90\%$	CHN	76.00
	Aircel	$\geq 90\%$	DLI	49.00
	Aircel	$\geq 90\%$	HP	71.00
	Aircel	$\geq 90\%$	HR	68.00
	Aircel	$\geq 90\%$	J&K	87.00
	Aircel	$\geq 90\%$	KOL	81.00
	Aircel	$\geq 90\%$	KR	50.00
	Aircel	$\geq 90\%$	KTK	71.00
	Aircel	$\geq 90\%$	MH	63.00
	Aircel	$\geq 90\%$	MP	23.00
	Aircel	$\geq 90\%$	MBI	71.00
	Aircel	$\geq 90\%$	OR	81.00
	Aircel	$\geq 90\%$	PB	42.00
	Aircel	$\geq 90\%$	RAJ	67.00
	Aircel	$\geq 90\%$	TN	83.00
	Aircel	$\geq 90\%$	UPE	20.00

	Aircel	$\geq 90\%$	UPW	37.00
	Aircel	$\geq 90\%$	WB	60.00
	Airtel	$\geq 90\%$	AP	89.83
	Airtel	$\geq 90\%$	CHN	48.81
	Airtel	$\geq 90\%$	DLI	76.41
	Airtel	$\geq 90\%$	J&K	89.13
	Airtel	$\geq 90\%$	KR	79.71
	Airtel	$\geq 90\%$	KTK	86.77
	Airtel	$\geq 90\%$	MH	76.58
	Airtel	$\geq 90\%$	MP	86.38
	Airtel	$\geq 90\%$	RAJ	73.19
	Airtel	$\geq 90\%$	TN	48.81
	Airtel	$\geq 90\%$	UPE	87.07
	Airtel	$\geq 90\%$	UPW	88.70
	BSNL	$\geq 90\%$	ASM	64.50
	BSNL	$\geq 90\%$	JK	81.00
	BSNL	$\geq 90\%$	PNJ	77.00
	Idea	$\geq 90\%$	ASM	84.89
	Idea	$\geq 90\%$	KOL	89.53
	Idea	$\geq 90\%$	KL	87.90
	RCOM CDMA	$\geq 90\%$	KTK	84.70

	RCOM CDMA	$\geq 90\%$	MH	89.19
	RCOM CDMA	$\geq 90\%$	UPE	88.74
	RCOM GSM	$\geq 90\%$	DLI	88.35
	RCOM GSM	$\geq 90\%$	KTK	80.37
	RCOM GSM	$\geq 90\%$	MH	88.85
	RCOM GSM	$\geq 90\%$	PB	86.76
	RCOM GSM	$\geq 90\%$	TN	87.09
	RTL	$\geq 90\%$	HP	88.56
	Uninor	$\geq 90\%$	UPW	88.04
	Vodafone	$\geq 90\%$	ASM	85.91
%age requests for Termination / Closure of service complied within 7 days	Aircel	100% within 7 days	KTK	98.99
	Aircel	100% within 7 days	MH	80.31
	Idea	100% within 7 days	KTK	98.54
	Idea	100% within 7 days	MB	99.98
Time taken for refund of deposits after closures	Idea	100% within 60 days	AP	66.67
	Idea	100% within 60 days	ASM	98.48
	Idea	100% within 60 days	NE	88.89
	Idea	100% within 60 days	OR	91.67

**Note:** Tata(GSM)\* = Data for HP only for the month of June 2012.

4.4 The detailed table on Service Provider wise performance of QoS parameters for Wireless Services is available at Annexure-4.1.

## Section B: Quality of Service Performance of Wireline Service Providers

**Table 4.3: QoS Summary - Wireline Service**

S. No.	Parameters	Benchmark	No. of operators not meeting the benchmarks			
			QE March, 2012		QE June, 2012	
			Out of 88 In Nos.	Out of 88 In %age	Out of 88 In Nos.	Out of 88 In %age
(i)	Fault incidences per 100 subs/month	≤ 5	8	9.09	8	9.09
(ii) a	% Fault repaired by next working day	≥ 90%	8	9.09	9	10.23
(ii) b	% Fault repaired within 3 days (for urban areas)	≥ 100%	24	27.27	35	39.77
(ii) c	% Fault repaired within 5 days (for rural & hilly areas)	≥ 100%	17	19.32	27	30.68
(iii)	MTTR	<8Hrs	5	5.68	8	9.09
(iv) a	Call Completion Rate (in local network)	≥ 55%	2	2.27	1	1.14
(iv) b	Answer to Seizure Ratio (ASR)	≥ 75 %	0	0.00	0	0.00
(v)	Point of Interconnection (POI) Congestion (No. of PoIs not meeting benchmark)	≤ 0.5%	0	0.00	0	0.00
(vi)	Metering & billing credibility – Post-paid	≤ 0.1%	2	2.27	0	0.00
(vii)	Metering & billing credibility – Pre-paid	≤ 0.1%	0	0.00	0	0.00
(viii)	Resolution of billing/charging/Credit & validity complaints	100% within 4 weeks	1	1.14	1	1.14
(ix)	Period of applying credit/waiver/adjustment to customer's account from the date of resolution of complaints	Within 1 week of resolution of complaint	5	5.68	0	0.00



S. No.	Parameters	Benchmark	No. of operators not meeting the benchmarks			
			QE March, 2012		QE June, 2012	
			Out of 88 In Nos.	Out of 88 In %age	Out of 88 In Nos.	Out of 88 In %age
(x)	Response time to the customer for assistance	-	-	-	-	-
(x) a	Accessibility of call centre/ customer care	≥ 95%	11	12.50	7	7.95
(x) b	%age of calls answered by the operators (voice to voice) within 60 seconds	≥ 90%	5	5.68	6	6.82
(xi)	Termination / closure of service	100% within 7 days	17	19.32	25	28.41
(xii)	Time taken for refund of deposits after closures	100% within 60 days	4	4.55	0	0.00

NOTE :-

- (1) As per “The Standards of Quality of Service of Basic Telephone Service (Wireline) and Cellular Mobile Teleohone Service Regulations, 2009 “, the service providers who can not measure and report Call Completion Rate (CCR) due to constraint in network architecture may opt to measure and report their performance on Answer to Seizure Ratio (ASR). M/s RCOM have reported the ASR for 20 licensed service areas. Therefore, 68 Licensees for CCR and 20 Licensees for ASR have been taken in to account for the analysis of these parameters.
- (2) None of the SPs have reported for the parameter “Metering and billing credibility - pre paid” because most of the service providers are not providing pre-paid service in Basic (Wireline) service.
- (3) M/s Vodafone has intimated that they have recently launched the wireline services for enterprise customers.

**Table 4.4: QoS Parameters not reported by the service providers  
- wireline**

<b>S.No</b>	<b>Service Provider</b>	<b>Parameters</b>
1	<b>BSNL</b>	<ul style="list-style-type: none"> <li>• Metering and Billing credibility - post paid(All Circles).</li> <li>• Metering and Billing credibility - pre paid(All Circles).</li> <li>• Resolution of billing/charging/validity complaints(All circles)</li> </ul>
2	<b>RCOM</b>	<ul style="list-style-type: none"> <li>• Mean Time to Repair (MTTR) (All circles)</li> <li>• Call Completion Rate (All circles)</li> </ul>
3	<b>MTNL</b>	<ul style="list-style-type: none"> <li>• Answer to Seizure Ratio (ASR)(Delhi, Mumbai circles)</li> <li>• Metering and Billing credibility - pre paid(Delhi).</li> </ul>

4.5 The performance has improved in this quarter as compared to the previous quarter in respect of the following parameters:-

- a. Call Completion Rate (CCR)
- b. Metering and billing credibility - post paid
- c. Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of complaints.
- d. Accessibility of call centre/ customer care
- e. Time taken for refund of deposits after closures.

4.6 The performance has deteriorated in this quarter as compared to the previous quarter in respect of the following parameters:-

- a. % Fault repaired by next working day
- b. % of faults repaired within 3 days
- c. % of faults repaired within 5 days
- d. Mean Time to Repair (MTTR).
- e. % of calls answered by the operators (Voice to Voice) within 60 Sec.
- f. %age requests for Termination / Closure of service complied within 7 days.

4.7 The performance of the Basic Telephone Service (Wireline) Service Providers is at same level as compared to the previous quarter in respect of the following parameter:-

- a. Faults incidences ( No. of faults/100 Subs./month)
- b. Answer to Seizure Ratio (ASR)
- c. Point of Interconnection (POI) Congestion
- d. Resolution of billing/ charging/ validity complaints

**Table 4.5: Parameter wise QoS of Wireline Service Providers**

<b>Parameters</b>	<b>Benchmark</b>	<b>Service Providers not meeting the Benchmarks</b>
<b>Fault incidences per 100 subs/month</b>	<b>≤ 5</b>	<b>BSNL:</b> HP(5.91),J&K(5.67),KOL(9.46),KER(6.98), MH (6.35),UTT(5.38),WB(5.17) <b>MTNL:</b> Delhi(7.28)
<b>% Fault repaired by next working day</b>	<b>≥ 90%</b>	<b>BSNL:</b> A&N(89.78%),J&K(82.68%),KOL(46.17%), KER (73.51%),MH(74.39%) <b>MTNL:</b> Delhi(86.63%) <b>TTSL:</b> HR(86.07%),KER(75.00%),TN(48.15%)
<b>% Fault repaired within 3 days</b>	<b>≥ 100%</b>	<b>BSNL:</b> A&N(90.49%),AP(99.19%),ASM(99.90%), BR (98.21%),CH(98.55%) Chhattisgarh,(99.08%),GUJ(98.78%),HP(97.05%),J&K (89.87%),JHAR(99.11%), KOL(51.04%)KR(89.34%),KTK(97.44%),MH(86.90%), PB(99.82%), RAJ(99.55%),TN(96.51%),UPE(99.47%),UPW(99.50%), UTT(97.97%),WB(93.19%) <b>MTNL:</b> DEL(95.18%),Mumbai(96.63%) <b>TTSL:</b> AP(96.64%),BH(97.89%),DEL(97.11%), GUJ (99.33%),HR(86.67%), KER(75.00%),KTK(99.02%),PUN(91.84%), ROM (99.31%), TN(48.15%),UPE(94.55%) <b>HFCL:</b> PUN(99.93%)
<b>% Fault repaired within 5 days</b>	<b>≥ 100%</b>	<b>BSNL:</b> A&N(98.33%),AP(99.98%),BR(99.97%), CH (99.37%),GUJ(99.87%), HP(99.33%),J&K(98.18%),KR(89.31%),KTK(93.64%), MH(98.41%),PB(99.91%). RAJ(99.98%), TN(99.29%),UPE(99.79%),UPW(99.93%),UTT(99.98%), WB(98.07%). <b>TTSL:</b> AP(97.29%),BH(97.89%),GUJ(99.66%),HP(50.00 %),HR(86.67%), KER(75.00%),KTK(99.61%),ROM(99.88%),TN(62.96%) UPE(96.36%),
<b>MTTR</b>	<b>&lt;8Hrs</b>	<b>BSNL:</b> KOL(8.67)KER(15.68), WB(8.54) <b>MTNL:</b> Mumbai(14.11)

		<b><u>TTSL</u></b> :HP(46.75),TN(30.28),KER(22.88),PUN(9.25)
<b>Call Completion Rate (in local network)</b>	≥ 55%	<b><u>BSNL</u></b> : RJ(48.24%)
<b>Resolution of billing/charging/Credit &amp; validity complaints 100%</b>	<b>within 4 weeks</b>	<b><u>MTNL</u></b> :Delhi(92.26%),
<b>Accessibility of call centre/ customer care</b>	≥ 95%	<b><u>BSNL</u></b> : Chattishgarh(94.92%),HP(91.19%),HR(93.64%), J&K(93.38%),RJ(94.44%),UPE(92.67%),Uttaranchal (94.40%)
<b>%age of calls answered by the operators (voice to voice) within 60 seconds</b>	≥ 90%	<b><u>BSNL</u></b> : Chhattishgarh(55.00%),GUJ(81.84%),HP(84.33%),OR (79.33%), RAJ(78.67%),UPE(85.00%)
<b>%age requests for Termination / Closure of service complied within 7 days</b>	≥ 100% <b>within 7 days</b>	<b><u>BSNL</u></b> :A&N(97.79%),BR(95.27%),HP(99.65%),J&K (95.32%),KOL(33.69%),KR(90.31%), MH(98.87%),NEI(86.06%),OR(97.84%),UTT(99.53%), WB(78.67%) <b><u>MTNL</u></b> : Delhi(92.82%%), Mumbai(95.30%) <b><u>BHARTI</u></b> :AP(99.94%),DEL(99.95%),GUJ(99.89%), HR (99.70%),KOL(99.95%), KTK(99.70%),MH(99.90%),MP(99.96%),MUM(99.96%), PUN(99.93%),RJ(99.90%), TN(99.96%)

4.8 Detailed table containing QOS parameters for all the Wireline Service Providers is given in Annexure-4.2.

## Section C: Quality of Service Performance of Dial-up/ Broadband Service

### A. Dial-up service

- a. Out of 188 Internet Service Provider, who have submitted their Performance Monitoring Reports to TRAI for the quarter ending June, 2012, only 14 ISPs are providing Dial-up service. However, all the 14 ISPs do not come under the purview of Top twenty Internet service providers. The following Dial-up Access service providers that come under top twenty have been taken into account for the analysis in this quarter.

**Table 4.6: Performance on ISPs Quality of Service**


Sr. No.	Name of the Service Provider	Dial-up access							Mean time to Restore of faults resulting as per subscriber complaints
		Service Activation time	Time to Access	Service Accessibility			ISP node unavailability in a month	GOS on the link connecting to PSTN node to ISP	
				Probability of accessing the ISP node (%)					
				1st Attempt	2nd Attempt	3rd Attempt			
		6 hrs	30 Sec	80.00%	90.00%	99.00%	30 Min	1 in 100	3 days
1	BHARAT SANCHAR NIGAM LTD.	Same day	34 Sec	99.00%	99.90%	99.90%	1%	99.90%	<7 hrs
2	MTNL, MUMBAI	Immediate	26 Sec	100.00%	-	-	Nil	0.005	15 Min
	MTNL, DELHI	Instantaneous	30 Sec	99.78%	99.99%	-	Nil	0.01	5 Min
3	BHARTI AIRTEL LTD.	Online	30-40 Sec	99.80%	100.00%	100.00%	<0.015% (DNF)	>0.01	6.23 hrs
4	TATA COMMUNICATIONS LTD	Online	30Sec	80.00%	90.00%	99.00%	24.18 hrs	<1%	10-15 Min
5	TATA TELESERVICES (MH) LTD.	Online Immediate	14 Sec	99.99%	100.00%	NA	100.00%	0.001	6.79 hrs
6	QUADRANT TELEVENTURES LTD.	NR	30Sec	99.99%	100.00%	-	NR	0.002	3.08 hrs

Sr. No.	Name of the Service Provider	Dial-up access							Mean time to Restore of faults resulting as per subscriber complaints
		Service Activation time	Time to Access	Service Accessibility			ISP node unavailability in a month	GOS on the link connecting to PSTN node to ISP	
				Probability of accessing the ISP node (%)					
				1 <sup>st</sup> Attempt	2 <sup>nd</sup> Attempt	3 <sup>rd</sup> Attempt			
		6 hrs	30 Sec	80.00%	90.00%	99.00%	30 Min	1 in 100	3 days
7	SIFY LTD.	3 Min	30 Sec	90.00%	95.00%	99.00%	20 Min	0.005	NR
8	DATA INFOSYS LTD.	2-3 Min	20-25 Sec	95.00%	97.00%	99.00%	30 Min	0.01	15 Min
9	BROADBAND PACENET INDIA PVT.LTD.	99.95%	100.00%	80.00%	99.00%	100.00%	<2%	98.00%	72 hrs

**Note:-**

NR= Not Reported

DNF-Data Not in Format

 Not meeting the benchmark

**Service Activation Time**

4.9 M/s Quadrant Televentures Ltd. has not reported the data. All the other ISPs who have reported the data have met the TRAI benchmark of 6 hrs.

**Time to Access**

4.10 All the ISPs except M/s Bharti Airtel Ltd. have met the TRAI benchmark of 30 sec.

**Probability of Accessing the ISP Node**

4.11 All the Internet Service Providers have met this benchmark of 80% for first attempt, 90% for second attempt and 99% for third attempt in this quarter.

### **ISP Node unavailability**

4.12 M/s Quadrant Televentures Ltd. has not reported the data. All other ISPs except M/s Tata Communications Ltd. have met the TRAI benchmark for the parameter “ISP node unavailability in a month (30 Minutes)”.

### **Grade of Service**

4.13 All the ISPs who have reported the data met the benchmark for this parameter.

### **Mean Time to Restore (MTTR)**

4.14 M/s Sify Ltd. has not reported the data. All other ISPs except M/s Broadband Pacenet India Pvt. Ltd have met the TRAI benchmark.

## **B. Broadband Service**

4.15 Out of 155 Broadband Service providers, 33 Service Providers are having subscriber base >10,000 and these 33 Service providers share the 99.25% of total subscriber base. This report covers performance of 26 broadband Service Providers vis-à-vis the QoS benchmarks prescribed by TRAI, as the remaining seven service providers viz. Chandranet Pvt Ltd, Gujarat Telelink, Softeng Computer(Nivyah Infrastructure), Meghbela have not submitted their report for the QE June, 2012, and the newly added service provider in the QE June, 2012, Atria Convergence Technologies, Honesty Net Solution and Home System with subscriber base more than 10000, have also not submitted their report.



**Table 4.7: Parameter-wise status of QoS benchmarks for Broadband service**

<b>Sl. No.</b>	<b>Parameters</b>	<b>Benchmarks</b>	<b>Name of Service Provider not Meeting the Benchmark</b>
<b>1</b>	<p><b>Service Provisioning/ Activation Time</b></p> <ul style="list-style-type: none"> <li>• %age of connections provided within 15 days of registration of demand</li> </ul>	100% in =< 15 working days	<p><b>BSNL</b> Assam(99.70%), KTK(99.98%), Kerala(96.60%), WB(86.90%), A&amp;N(92.60%)  <b>MTNL – Delhi</b>(94.85%), Mumbai(83.12%)  <b>Sify – All India</b> (97.10%)  <b>Quadrant Televentures – Punjab</b>(99.89%)  <b>Tata Teleservices-</b> MH&amp;Goa(96.00%)  <b>Tikona-</b> All India(92.23%)  <b>Spectranet-</b> All India(99.72%)  <b>Tata Communications-</b> Delhi &amp; NCR(97.00%), HR(74.00%), J&amp;K(83.00%) Punjab(92.00%), Raj(98.00%) UP(E)(85.00%)</p>
<b>2</b>	<b>Faults Repair /Restoration Time</b>		
	% of faults repaired by next working day	>90%	<p><b>BSNL-</b> Kerala(70.50%), Uttaranchal(86.20%), WB(85.80%), A&amp;N(89.50%)  <b>MTNL – Delhi</b> (81.31%) Mumbai(83.83%)  <b>Sify-</b> All India (61.79%)  <b>Beam Telecom-</b> Hyd(81.33%)  <b>Zylog Systems (India) Ltd.-</b> Chennai(89.00%)  <b>You Broadband - All India</b>(89.70%) KTK(83.78%), AP(89.33%)</p>

	% of faults repaired within 3 working day	=>99%	<p><b>BSNL-</b> J&amp;K(98.80%), Kerala(85.90%) WB(95.50%), A&amp;N(98.30%) <b>MTNL -</b> Delhi(95.30%) Mumbai(93.01%) <b>Hathway -</b> UP (98.00%) <b>Sify-</b> All India(29.39%) <b>Beam Telecom-</b>Hyd(90.00%) <b>Tata Communications -</b> Kerala (97.00%) Mumbai(97.00%), TN&amp;Pond.(98.00%) <b>You Broadband-</b> All India(98.09%) MH(98.01%), Guj(98.00%), KTK(96.88%), TN(98.56%), AP(97.76%)</p>
<b>3</b>	<b>Billing Performance</b>		
	%age of billing complaints resolved within 4 weeks	100% within 4 weeks	<p><b>BSNL-</b> KTK(99.98%), Kerala(99.50%) <b>MTNL -</b> Delhi 98.57%)</p>
	%age of cases to whom refund of deposits is made within 60 days of closures	100% within 60 days	<p><b>BSNL -</b> KTK -(99.90%)</p>
<b>4</b>	<b>Response Time to the Customer for assistance</b>		
	%age of calls answered by operator (Voice to voice) within 60 sec	>60%	<p><b>Tikona Digital -</b> All India(18.53%)</p>
	%age of calls answered by operator (Voice to voice) within 90 sec	>80%	<p><b>MTNL-</b> Mumbai(65.01%) <b>Beam Telecom-</b> Hyd(75.33%) <b>Tikona -</b>All India (23.66%)</p>

<b>5</b>	<b>Bandwidth utilisation/throughput</b>		
	No. of Intra network links having Bandwidth utilisation >90% during peak hours (TCBH)	<b>Benchmark 0</b>	<b>Alliance</b> - Kolkata (7 links) <b>Rajesh Multichannel</b> - Mumbai (2 links) <b>Noida Software Technology</b> - All India (200 links)
	No. of Upstream links for International connectivity having bandwidth utilisation >90% during peak hours (TCBH)	<b>Benchmark 0</b>	<b>MTNL</b> - Delhi (0.67 links)
	% International bandwidth utilization during peak hours (TCBH) (Enclose MRTG) <90%	<b>Benchmark &lt;90%</b>	<b>Beam Telecom</b> - Hyd(92.40%) <b>Zylog Systems</b> – Raj(91.00%), HR(91.00%)
	Broadband Connection Speed available(download ) from ISP node to user	<b>Benchmark &gt;80%</b>	<b>BSNL</b> - A&N(28.30%)
<b>6.</b>	<b>Service availability/uptime (for all users) in %age</b>		
	Service availability/uptime (for all users) in %age	<b>Benchmark &gt;98%</b>	<b>Hathway</b> - Delhi(97.00%), Goa(96.00%) <b>Indusland Media &amp; Communications Ltd</b> - All India(96.00%) <b>Tata Communications</b> - TN & Pond. (93.00%)

4.16 Detailed table containing QoS parameters for all the Broadband Service Providers is given in Annexure-4.3.

# **Chapter 5 :**

## **Performance of Cable TV, DTH and Radio Broadcasting Services**

**Table 5.1: Key Parameters**

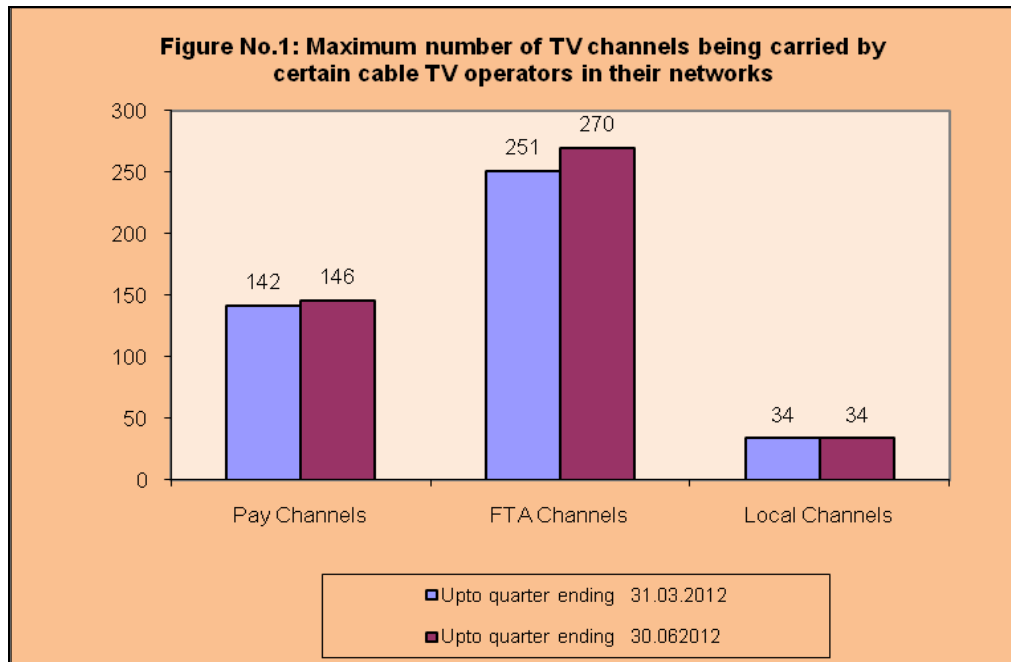
<b>S.No</b>	<b>Parameter</b>	<b>QE Mar-12</b>	<b>QE Jun-12</b>
1	Number of Broadcasters/ Distributors	26	26
2	Number of private satellite TV channels registered with Ministry of I&B	831*	831*
3	Total Number of Pay Channels reported by Broadcasters/ Distributors	168	184
4	Maximum number of Pay TV Channels carried by certain cable operator	142	146
5	Maximum number of Free to Air (FTA) TV Channels carried by certain cable operator	251	270
6	Private FM Radio stations in operation	245	245
7	Private DTH Operators	6	6
8	Licensees of community radio stations	167	175
9	Operational community radio station	130	133
10	Number of Set top boxes in CAS notified areas of Delhi , Mumbai, Kolkata and Chennai	9,05,343	10,01,033

\*As on 06.03.2012

### **Cable TV Services**

5.1 Chart 5.1 depicts the maximum number of Free-to-Air (FTA) channels, Pay channels and local channels being carried by the Multi System Operators (MSOs) in their network across the country. This is based on the reports received from some of the major service providers regarding the number of channels being carried by them in their networks analogue and/or in digital form. These channels have been reported across different networks of the service providers having different combinations of pay, FTA and Local channels in their network.

**Chart 5.1: Maximum number of TV Channels being carried by certain Cable operators in their networks**

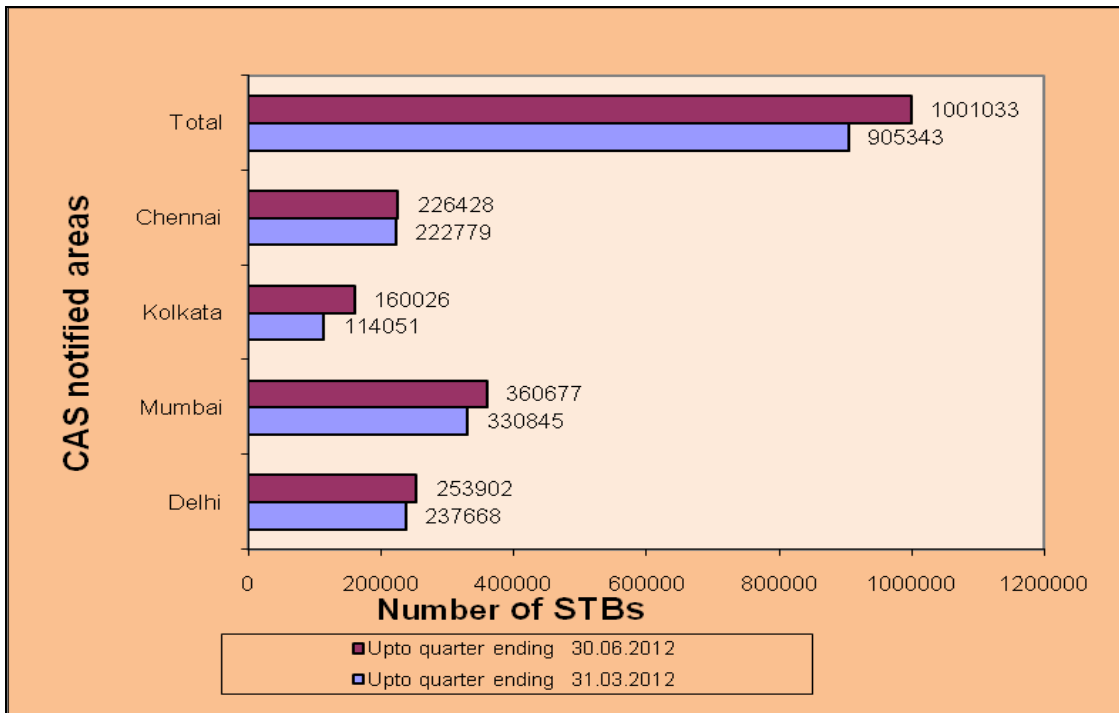


5.2 The maximum number of FTA and Pay Channels reportedly being carried in the cable networks are 270 and 146 respectively in the QE Jun-12. However, these numbers relate to different networks and hence cannot be added for arriving at the total number of channels.

5.3 Maximum number of TV channels (Pay, FTA and Local) being carried by any of the reported MSOs is 377, whereas in conventional analogue form, the maximum number of channels being carried any by the reported MSOs is 100 channels.

5.4 At the end of the quarter Mar-12, there were 9,05,343 number of set top boxes (STBs) installed in the CAS notified areas of Delhi, Mumbai, Kolkata and Chennai. This has increased to 10,01,033 at the end of Jun-12.

**Chart 5.2: Set Top Boxes (STBs)**



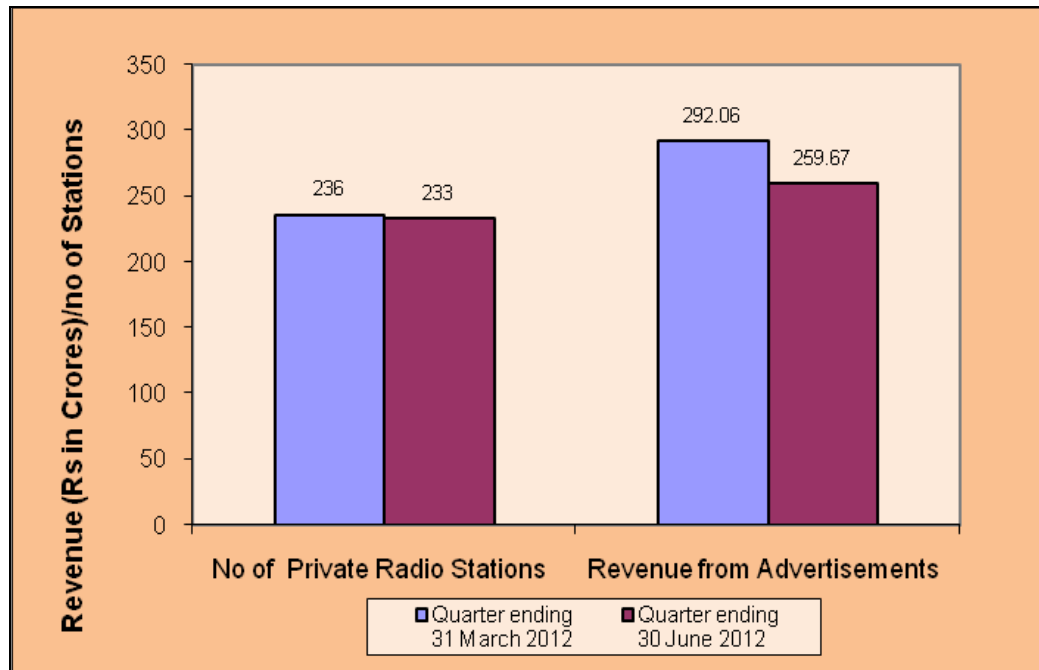
### **Satellite TV Channels**

- 5.5 At the end of Jun-12, total number of permitted private satellite TV channels registered with Ministry of I&B, as obtained from its website, is 831.
- 5.6 There are 184 pay TV channels which have been taken on records in respect of their rates as on June, 2012. These 184 channels are being broadcasted/ distributed by 26 broadcasters or their authorized agents/aggregators. The list of broadcasters/distributors of pay TV channels alongwith the reported rates of pay channels for Non-CAS areas are at Annexure-5.1.

## FM Radio Services

- 5.7 Apart from All India Radio of Prasar Bharti – a public broadcaster, there are 245 FM Radio stations in operation at the end of Jun-12. The list of 245 private FM Radio stations is at Annexure-5.2.
- 5.8 The total Advertisement Revenue during the quarter ending Mar-12 in respect of 236 private FM Radio stations was `292.06 crore and for quarter ending Jun-12 in respect of 233 private FM Radio stations, the total Advertisement Revenue was `259.67 crore. The reports prepared on the basis of reports submitted by the FM Radio service providers. However, the details do not pertain to the same set of service providers.

**Chart 5.3: Comparative position of Revenue from FM Radio Stations**





## **Community Radio**

5.9 At the quarter ending Mar-12, out of 167 licensees of community radio stations, 130 stations were in operation. In the quarter ending Jun-12, 8(eight) licenses were issued. Now, out of 175 licensees, 133 Community Radio Station stations are in operation, as per the information available on the website of Ministry of Information & Broadcasting.

**Table 5.2: Status of applications for community radio station licenses received from Ministry of Information and Broadcasting**

	<b>As on 30.06.2012</b>
Total No. of Applications Received	1071
No. of Licenses issued	175
No. of Letters of Intent Issued	371
No. of Applications rejected	445
No. of stations operational	133

**Source:** *Ministry of Information & Broadcasting*

## **DTH Services**

5.10 Besides the free DTH service of Doordarshan- a public broadcaster, there are 6 private DTH licensees, offering their services to the DTH subscribers. As on 30.06.2012, their reported registered subscriber base is 48.45 million. The list of DTH licensees is at Annexure-5.3.

## **Teleport Service**

5.11 As per the information available on the website of Ministry of Information and Broadcasting, there are 87 numbers of permitted Teleports as on 29.12.2011. A list of the permitted Teleports is at Annexure-5.4.

# **Annexures**

### Annexure 1.1: Licensed Cellular (GSM & CDMA) Service Providers

Sl. No	Service Provider	Area for which licensed with No.	UASL	CMTS
1	Bharti	All India (22)	All India except NE	North East
2	Aircel Group	All India (23)	All India except Chennai & TN	Chennai & Tamil Nadu
3	Reliance Communications	All India (except Assam & NE) (20)	All	
4	Reliance Telecom	Kolkata, MP, WB, HP, Bihar, OR, Assam & NE (8)	All	
5	Vodafone	All India (23)	All	
6	Tata Teleservices	All India (22)	All	
7	IDEA	All India (22)	Mumbai, TN incl. Chennai, Kolkata, KTK, Pb, WB, Bihar, OR, Assam, NE & J&K	Delhi, Maharashtra, Gujarat, AP, Kerala, Haryana, UP-W, UP-E, Raj., MP, HP
8	Shyam Telelink	All India (22)	All	
9	BSNL	All India (except Delhi & Mumbai) 20		All
10	MTNL	Delhi Mumbai (2)		All
11	Loop Telecom Private Ltd & Loop Mobile (India) Ltd	All India (22)	All except Mumbai	Mumbai
12	Unitech Group	All India (22)	All	
13	Videocon Telecommunications. Ltd.	All India except Pb (21)	All	
14	Spice Communications	Delhi, Mah, AP, KTK, Punjab, Har (6)	All	
15	HFCL	Punjab (1)	Punjab	

Source: DoT and Service providers

UASLs	240
CMTSs	37
Total	277

## Annexure 1.2: Wireless Subscriber Base

Service Area	Vodafone (GSM)		Bharti (GSM)		Idea (GSM)		Aircel/Dishnet (GSM)		Reliance (GSM)	
	Mar-12	Jun-12	Mar-12	Jun-12	Mar-12	Jun-12	Mar-12	Jun-12	Mar-12	Jun-12
Andhra Pradesh	6,379,503	6,273,477	18,282,922	18,841,936	9,985,448	10,545,813	1,582,293	1,820,961	4,598,770	3,265,586
Assam	2,148,285	2,353,212	3,683,492	3,877,114	312,629	359,132	3,709,165	3,838,600	2,879,433	3,064,741
Bihar	6,003,373	6,476,332	17,441,979	18,296,280	5,724,011	5,964,298	5,263,373	5,147,125	6,015,443	5,891,232
Delhi	8,623,098	8,888,365	8,748,943	8,952,797	4,764,047	4,853,688	2,523,574	2,781,763	4,677,444	5,075,269
Gujarat	16,006,620	16,047,103	6,910,061	7,336,115	8,202,321	8,606,504	686,314	769,189	5,461,126	5,506,156
Haryana	4,451,590	4,551,481	2,433,163	2,501,314	3,767,079	3,876,555	606,727	628,661	3,159,851	3,287,818
Himachal Pradesh	453,344	485,278	1,840,093	1,902,855	461,183	489,163	717,917	753,575	1,580,083	1,644,903
Jammu & Kashmir	706,043	719,029	2,080,761	2,193,528	181,623	195,572	1,629,554	1,766,692	544,385	576,141
Karnataka	6,767,428	6,902,042	15,390,479	15,852,404	5,668,560	5,959,122	1,221,163	1,261,944	4,759,416	4,937,565
Kerala	5,853,924	6,012,026	3,532,664	3,681,654	7,442,315	7,695,590	1,832,283	1,873,532	1,872,393	1,947,583
Madhya Pradesh	4,106,915	4,248,401	9,671,545	10,076,720	13,737,890	14,499,964	934,803	999,014	7,722,122	8,313,704
Maharashtra	12,951,300	13,265,420	9,840,242	10,320,201	15,174,315	15,425,757	1,242,907	1,079,177	7,417,352	7,732,011
Mumbai	5,802,365	5,891,077	3,729,476	3,766,361	2,850,249	2,947,341	1,226,795	1,354,795	4,808,909	4,843,958
North East	913,301	1,003,492	2,277,584	2,504,849	203,645	232,322	2,422,955	2,453,678	976,948	994,562
Orissa	2,562,064	2,703,151	6,326,761	6,605,276	1,015,556	1,052,624	2,909,901	2,782,969	3,797,051	3,992,959
Punjab	4,534,702	4,574,450	6,951,290	6,988,686	5,443,540	5,645,347	912,849	996,674	3,955,621	3,206,620
Rajasthan	9,378,140	9,246,683	14,388,921	14,761,190	4,146,287	4,469,297	1,710,143	2,192,300	5,371,169	5,152,334
Tamil Nadu (incl. Chennai)	12,317,698	12,563,317	13,385,887	13,686,162	2,120,156	2,231,538	21,651,967	22,358,680	4,573,860	4,635,860
UP(E)	14,934,620	15,400,233	14,693,835	15,254,217	7,660,386	7,925,598	2,612,007	3,029,969	7,468,083	7,286,004
UP(W)	9,534,452	9,826,547	6,646,966	6,735,887	10,314,303	10,631,230	2,194,619	2,200,315	6,481,033	6,908,603
Kolkata	4,324,323	4,271,456	3,863,693	3,901,408	1,324,453	1,304,676	1,880,204	1,870,717	3,120,591	3,565,250
West Bengal	11,712,242	12,005,875	9,158,539	9,265,276	2,222,696	2,253,211	3,101,066	2,916,474	5,748,865	6,041,754
<b>Total</b>	<b>150,465,330</b>	<b>153,708,447</b>	<b>181,279,296</b>	<b>187,302,230</b>	<b>112,722,692</b>	<b>117,164,342</b>	<b>62,572,579</b>	<b>64,876,804</b>	<b>96,989,948</b>	<b>97,870,613</b>

**Annexure 1.2 (contd.)**

Service Area	Reliance (CDMA)		Tata (GSM)		Tata (CDMA)		BSNL (GSM)		BSNL (CDMA)	
	Mar-12	Jun-12	Mar-12	Jun-12	Mar-12	Jun-12	Mar-12	Jun-12	Mar-12	Jun-12
Andhra Pradesh	4,873,479	4,929,964	5,285,685	5,825,116	2,412,226	2,081,554	8,804,278	8,954,797	215,963	181,228
Assam	-	-	-	-	127,909	131,044	1,161,479	1,168,770	103,900	102,309
Bihar	3,586,327	3,596,535	3,147,814	3,199,094	1,816,991	1,602,080	5,747,811	5,795,955	386,867	235,473
Delhi	4,092,789	4,147,281	-	-	4,570,698	4,093,170	-	-	-	-
Gujarat	2,952,425	2,959,547	2,624,036	2,711,242	1,118,329	951,507	4,000,739	3,992,925	231,887	204,783
Haryana	1,102,032	1,072,346	1,842,336	1,950,974	1,042,502	950,596	2,972,891	3,008,596	26,031	24,788
Himachal Pradesh	305,441	297,341	293,703	218,620	108,580	95,843	1,609,793	1,416,843	67,783	64,834
Jammu & Kashmir	23	8	-	-	117,824	109,105	969,904	1,035,393	76,531	76,920
Karnataka	3,399,474	3,417,253	6,276,336	6,099,243	1,024,798	888,321	6,552,974	6,645,259	361,714	352,263
Kerala	2,418,493	2,428,732	2,020,537	2,033,330	432,049	368,801	6,775,671	6,989,599	336,779	319,271
Madhya Pradesh	4,505,849	4,605,438	3,848,327	4,013,788	992,105	872,865	4,537,780	4,564,882	282,073	276,945
Maharashtra	3,539,785	3,609,894	4,682,703	4,735,968	4,019,410	3,432,861	6,020,021	5,907,143	206,044	192,568
Mumbai	3,960,798	4,006,073	2,537,107	2,583,802	2,107,084	1,626,464	-	-	-	-
North East	-	-	-	-	75,173	79,068	1,466,940	1,522,213	149,408	151,210
Orissa	820,489	831,883	2,036,478	2,074,869	480,818	442,396	4,314,273	4,332,076	130,341	130,168
Punjab	1,000,898	971,539	1,949,783	1,764,458	1,175,537	1,045,958	4,630,076	4,295,829	57,261	54,518
Rajasthan	2,339,438	2,380,182	1,894,234	2,090,677	1,857,055	1,650,382	5,444,689	5,512,002	207,161	194,168
Tamil Nadu (incl. Chennai)	4,207,125	4,255,109	3,824,012	4,516,054	713,481	596,951	9,283,006	9,324,433	439,308	230,695
UP(E)	5,347,053	5,459,438	3,490,409	3,635,059	1,157,269	982,236	9,667,435	9,617,035	449,328	439,083
UP(W)	3,410,858	3,488,369	2,674,718	2,927,084	1,997,281	1,730,661	4,644,821	4,770,576	155,316	149,511
Kolkata	2,158,943	2,206,988	1,982,015	2,190,304	1,082,733	988,148	2,389,618	2,380,549	36,660	31,559
West Bengal	2,034,025	2,066,193	2,363,943	2,453,382	541,769	483,714	3,514,875	3,552,904	83,559	77,204
<b>Total</b>	<b>56,055,744</b>	<b>56,730,113</b>	<b>52,774,176</b>	<b>55,023,064</b>	<b>28,971,621</b>	<b>25,203,725</b>	<b>94,509,074</b>	<b>94,787,779</b>	<b>4,003,914</b>	<b>3,489,498</b>

**Annexure 1.2 (contd.)**

Service Area	MTNL (GSM)		MTNL (CDMA)		Sistema (CDMA)		Quadrant (HFCL) (GSM)		Quadrant (HFCL) (CDMA)		Loop (GSM)	
	Mar-12	Jun-12	Mar-12	Jun-12	Mar-12	Jun-12	Mar-12	Jun-12	Mar-12	Jun-12	Mar-12	Jun-12
Andhra Pradesh	-		-		655,133	682,434	-	-	-	-	-	-
Assam	-		-		1,193	1,247	-	-	-	-	325	-
Bihar	-		-		1,615,323	1,688,266	-	-	-	-	364	-
Delhi	2,751,762	2,685,246	134,197	133,754	1,179,004	1,194,507	-	-	-	-	-	-
Gujarat	-		-		157,323	198,096	-	-	-	-	73	-
Haryana	-	-	-	-	220,922	234,403	-	-	-	-	88	-
Himachal Pradesh	-	-	-	-	127	76	-	-	-	-	-	-
Jammu & Kashmir	-	-	-	-	22	22	-	-	-	-	-	-
Karnataka	-	-	-	-	2,180,666	2,322,809	-	-	-	-	653	-
Kerala	-	-	-	-	640,096	623,707	-	-	-	-	-	-
Madhya Pradesh	-	-	-	-	2,324	2,704	-	-	-	-	307	-
Maharashtra	-	-	-	-	735,759	724,899	-	-	-	-	413	-
Mumbai	2,833,320	2,646,974	113,119	103,748	524,083	571,841	-	-	-	-	3,261,069	3,150,650
North East	-	-	-	-	174	176	-	-	-	-	41	-
Orissa	-	-	-	-	580	734	-	-	-	-	965	-
Punjab	-	-	-	-	891	1,016	1,302,893	1,486,181	27,017	24,353	145	-
Rajasthan	-	-	-	-	2,391,815	2,578,112	-	-	-	-	421	-
Tamil Nadu (incl. Chennai)	-	-	-	-	1,728,581	1,643,605	-	-	-	-	-	-
UP(E)	-	-	-	-	529,153	611,580	-	-	-	-	-	-
UP(W)	-	-	-	-	540,239	637,976	-	-	-	-	8	-
Kolkata	-	-	-	-	863,204	883,569	-	-	-	-	2,369	-
West Bengal	-	-	-	-	1,836,427	1,948,057	-	-	-	-	-	-
<b>Total</b>	<b>5,585,082</b>	<b>5,332,220</b>	<b>247,316</b>	<b>237,502</b>	<b>15,803,039</b>	<b>16,549,836</b>	<b>1,302,893</b>	<b>1,486,181</b>	<b>27,017</b>	<b>24,353</b>	<b>3,267,241</b>	<b>3,150,650</b>

**Annexure 1.2 (contd.)**

Service Area	Stel (GSM)		Unitech (GSM)		Videocon (GSM)		Etisalat (GSM)		Total		Net Additions
	Mar-12	Jun-12	Mar-12	Jun-12	Mar-12	Jun-12	Mar-12	Jun-12	Mar-12	Jun-12	
Andhra Pradesh	-	-	3,724,608	4,056,918	10,933	9,876	16,217	-	66,827,458	67,469,660	642,202
Assam	79,992	-	273	521	-	-	-	-	14,208,075	14,896,690	688,615
Bihar	2,029,624	-	4,664,653	4,852,738	20,094	18,867	16,974	-	63,481,021	62,764,275	(716,746)
Delhi	-	-	-	-	-	-	423,731	-	42,489,287	42,805,840	316,553
Gujarat	-	-	3,731,428	4,059,900	1,222,364	1,157,060	16,840	-	53,321,886	54,500,127	1,178,241
Haryana	-	-	432	649	925,500	1,007,896	7,161	-	22,558,305	23,096,077	537,772
Himachal Pradesh	454,924	-	122	166	78,241	77,037	-	-	7,971,334	7,446,534	(524,800)
Jammu & Kashmir	-	-	165	302	-	-	-	-	6,306,835	6,672,712	365,877
Karnataka	-	-	2,084,904	2,203,556	11,189	8,365	14,240	-	55,713,994	56,850,146	1,136,152
Kerala	-	-	700,122	738,427	153,351	148,370	5,435	-	34,016,112	34,860,622	844,510
Madhya Pradesh	-	-	1,076	1,320	1,243,694	1,064,985	35,557	-	51,622,367	53,540,730	1,918,363
Maharashtra	-	-	4,610,448	5,134,325	13,118	8,820	15,568	-	70,469,385	71,569,044	1,099,659
Mumbai	-	-	1,461,112	1,554,571	925,437	746,786	143,732	-	36,284,655	35,794,441	(490,214)
North East	32,083	-	65	89	-	-	-	-	8,518,317	8,941,659	423,342
Orissa	833,665	-	1,379,320	1,588,820	10,673	10,673	-	-	26,618,935	26,548,598	(70,337)
Punjab	-	-	606	1,210	-	-	8,986	-	31,952,095	31,056,839	(895,256)
Rajasthan	-	-	903	1,079	10,832	8,392	18,756	-	49,159,964	50,236,798	1,076,834
Tamil Nadu (incl. Chennai)	-	-	2,143,260	2,221,039	1,276,541	1,269,726	13,448	-	77,678,330	79,533,169	1,854,839
UP(E)	-	-	7,022,779	7,774,581	16,712	14,876	25,300	-	75,074,369	77,429,909	2,355,540
UP(W)	-	-	5,013,924	5,242,602	8,477	6,067	20,346	-	53,637,361	55,255,428	1,618,067
Kolkata	-	-	1,957,168	1,981,179	4,151	4,096	-	-	24,990,125	25,579,899	589,774
West Bengal	-	-	3,934,556	4,163,771	20,281	17,194	-	-	46,272,843	47,245,009	972,166
<b>Total</b>	<b>3,430,288</b>	<b>-</b>	<b>42,431,924</b>	<b>45,577,763</b>	<b>5,951,588</b>	<b>5,579,086</b>	<b>782,291</b>	<b>-</b>	<b>919,173,053</b>	<b>934,094,206</b>	<b>14,921,153</b>

### Annexure 1.3: Wireline Subscriber Base

Service Area	Bharti		Reliance		Quadrant (HFCL)		Sistema		Tata	
	Mar-12	Jun-12	Mar-12	Jun-12	Mar-12	Jun-12	Mar-12	Jun-12	Mar-12	Jun-12
Andhra Pradesh	125,358	125,433	88,960	89,099	-	-	-	-	175,835	174,947
Assam	-	-	-	-	-	-	-	-	2,625	2,665
Bihar	-	-	4,859	4,905	-	-	-	-	10,325	10,909
Delhi	1,079,056	1,079,748	183,355	183,822	-	-	-	-	79,752	81,863
Gujarat	55,259	55,292	109,190	107,459	-	-	-	-	67,788	65,515
Haryana	23,891	23,903	4,969	5,034	-	-	-	-	20,046	22,679
Himachal Pradesh	-	-	4,462	4,462	-	-	-	-	1,991	2,063
Jammu & Kashmir	-	-	-	-	-	-	-	-	343	340
Karnataka	490,490	490,790	110,636	111,119	-	-	-	-	125,082	128,486
Kerala	55,778	55,809	56,298	56,490	-	-	-	-	12,336	12,412
Madhya Pradesh	241,167	241,314	34,574	33,044	-	-	-	-	11,893	12,965
Maharashtra	70,135	70,178	102,093	102,638	-	-	-	-	233,342	238,307
Mumbai	330,903	331,100	231,160	232,221	-	-	-	-	547,664	549,117
North East	-	-	-	-	-	-	-	-	244	236
Orissa	-	-	4,143	4,154	-	-	-	-	7,170	7,341
Punjab	105,683	105,733	31,266	29,585	200,432	196,470	-	-	15,072	15,841
Rajasthan	39,257	39,291	25,922	26,291	-	-	46,659	48,507	5,844	6,018
Tamil Nadu (incl. Chennai)	484,652	484,941	148,173	148,672	-	-	-	-	64,626	66,375
U.P.(E)	50,420	50,451	40,811	41,054	-	-	-	-	13,375	13,833
U.P.(W)	24,252	24,266	5,477	5,256	-	-	-	-	7,751	8,048
Kolkata	93,648	93,708	81,175	80,966	-	-	-	-	32,225	32,427
West Bengal	-	-	2,227	2,188	-	-	-	-	6,041	6,088
<b>Total</b>	<b>3,269,949</b>	<b>3,271,958</b>	<b>1,269,750</b>	<b>1,268,459</b>	<b>200,432</b>	<b>196,470</b>	<b>46,659</b>	<b>48,507</b>	<b>1,441,370</b>	<b>1,458,475</b>



### Annexure 1.3 (contd.)

Service Area	MTNL		BSNL		Vodafone		Total		Net Additions
	Mar-12	Jun-12	Mar-12	Jun-12	Mar-12	Jun-12	Mar-12	Jun-12	
Andhra Pradesh	-	-	1,970,060	1,922,974	780	3,090	2,360,993	2,315,543	-45,450
Assam	-	-	227,229	199,830	-	-	229,854	202,495	-27,359
Bihar	-	-	595,139	544,975	-	-	610,323	560,789	-49,534
Delhi	1,563,034	1,570,461			7,740	5,970	2,912,937	2,921,864	8,927
Gujarat	-	-	1,598,630	1,580,732	30	120	1,830,897	1,809,118	-21,779
Haryana	-	-	542,975	532,725	-	-	591,881	584,341	-7,540
Himachal Pradesh	-	-	301,845	296,623	-	-	308,298	303,148	-5,150
Jammu & Kashmir	-	-	203,969	202,242	-	-	204,312	202,582	-1,730
Karnataka	-	-	1,963,247	1,731,473	1,620	2,280	2,691,075	2,464,148	-226,927
Kerala	-	-	3,065,384	3,041,951	-	-	3,189,796	3,166,662	-23,134
Madhya Pradesh	-	-	851,068	838,846	30	30	1,138,732	1,126,199	-12,533
Maharashtra	-	-	2,240,187	2,215,255	270	390	2,646,027	2,626,768	-19,259
Mumbai	1,894,695	1,883,732			5,760	6,000	3,010,182	3,002,170	-8,012
North East	-	-	252,129	251,540	-	-	252,373	251,776	-597
Orissa	-	-	451,480	384,847	30	90	462,823	396,432	-66,391
Punjab	-	-	1,089,917	1,082,578	90	90	1,442,460	1,430,297	-12,163
Rajasthan	-	-	1,046,625	1,014,092	90	180	1,164,397	1,134,379	-30,018
Tamil Nadu (incl. Chennai)	-	-	2,493,352	2,465,420	720	810	3,191,523	3,166,218	-25,305
U.P.(E)	-	-	1,167,606	1,084,024	-	-	1,272,212	1,189,362	-82,850
U.P.(W)	-	-	759,356	751,193	-	-	796,836	788,763	-8,073
Kolkata	-	-	975,123	955,497	690	900	1,182,861	1,163,498	-19,363
West Bengal	-	-	672,411	613,405	-	-	680,679	621,681	-58,998
<b>Total</b>	<b>3,457,729</b>	<b>3,454,193</b>	<b>22,467,732</b>	<b>21,710,222</b>	<b>17,850</b>	<b>19,950</b>	<b>32,171,471</b>	<b>31,428,234</b>	<b>-743,238</b>

### Annexure 1.4: Service Provider wise details of PCOs

S.No.	Name of the Circle/Service Area	Service Provider	31 <sup>st</sup> March 2012	30 <sup>th</sup> June 2012	Net PCO added/ decreased during the Q.E. June' 12	Percentage Growth/ Decline for the Q.E. 30.06.2012
1	Andaman & Nicobar	BSNL	412	267	-145	-35.19%
2	Andhra Pradesh	BSNL	106,242	96,468	-9,774	-9.20%
		Bharti	596	546	-50	-8.39%
		TATA	53,811	30,697	-23,114	-42.95%
		Reliance	63,537	55,570	-7,967	-12.54%
		Vodafone	-	-	0	-
3	Assam	BSNL	19,307	12,287	-7,020	-36.36%
		TATA	462	344	-118	-25.54%
4	Bihar(including Jharkhand)	BSNL	73,990	69,507	-4,483	-6.06%
		Reliance	7,137	6,366	-771	-10.80%
		TATA	19,248	8,090	-11,158	-57.97%
5	Delhi	Bharti	3,936	3,427	-509	-12.93%
		MTNL	60,972	60,544	-428	-0.70%
		Reliance	3,566	2,818	-748	-20.98%
		TATA	40,765	18,334	-22,431	-55.03%
		Vodafone	-	-	0	-
6	Gujarat	BSNL	47,343	43,217	-4,126	-8.72%
		Bharti	35	32	-3	-8.57%
		Reliance	10,920	9,274	-1,646	-15.07%
		TATA	31,980	20,068	-11,912	-37.25%
		Vodafone	-	-	0	-
7	Haryana	BSNL	10,665	10,406	-259	-2.43%
		Bharti	361	344	-17	-4.71%
		Reliance	829	690	-139	-16.77%
		TATA	4,143	1,402	-2,741	-66.16%
8	Himachal Pradesh	BSNL	7,002	6,622	-380	-5.43%
		Reliance	1,117	1,001	-116	-10.38%
		TATA	2,158	1,070	-1,088	-50.42%
9	Jammu & Kashmir	BSNL	9,652	9,337	-315	-3.26%
		TATA	392	264	-128	-32.65%
10	Karnataka	BSNL	160,259	145,115	-15,144	-9.45%
		Bharti	13,018	12,068	-950	-7.30%
		Reliance	23,671	20,282	-3,389	-14.32%
		TATA	39,995	23,387	-16,608	-41.53%
		Vodafone	-	-	0	-
11	Kerala	BSNL	62,563	56,986	-5,577	-8.91%
		Bharti	1,140	1,063	-77	-6.75%
		Reliance	7,343	6,067	-1,276	-17.38%
		TATA	4,342	2,145	-2,197	-50.60%
12	Madhya Pradesh (Including Chattisgarh)	BSNL	39,648	36,659	-2,989	-7.54%
		Bharti	7,918	7,379	-539	-6.81%
		Reliance	5,792	5,125	-667	-11.52%
		TATA	12,285	7,819	-4,466	-36.35%
		Vodafone	-	-	0	-

**Annexure 1.4 (Contd.)**

S.No.	Name of the Circle/Service Area	Service Provider	31 <sup>st</sup> March 2012	30 <sup>th</sup> June 2012	Net PCO added/ decreased during the Q.E. June' 12	Percentage Growth/ Decline for the Q.E. 30.06.2012
13	Maharashtra (including Mumbai)	BSNL & MTNL	249,408	244,394	-5,014	-2.01%
		Bharti	95	95	0	0.00%
		Reliance	37,547	33,189	-4,358	-11.61%
		TATA	134,017	105,961	-28,056	-20.93%
		Vodafone	-	-	0	-
	Mumbai	Bharti	61	61	0	0.00%
		MTNL	97,998	96,260	-1,738	-1.77%
		Reliance	15,290	14,118	-1,172	-7.67%
		TATA	24,227	22,094	-2,133	-8.80%
		Vodafone	-	-	0	-
	Maharashtra excluding Mumbai	BSNL	151,410	148,134	-3,276	-2.16%
		Bharti	34	34	0	0.00%
		Reliance	22,257	19,071	-3,186	-14.31%
Tata		109,790	83,867	-25,923	-23.61%	
14	North East	Vodafone	-	-	0	-
		BSNL	13,442	13,048	-394	-2.93%
15	Orissa	TATA	156	105	-51	-32.69%
		BSNL	13,155	12,756	-399	-3.03%
		Reliance	841	628	-213	-25.33%
		TATA	6,887	2,880	-4,007	-58.18%
16	Punjab	Vodafone	-	-	0	-
		BSNL	15,400	15,001	-399	-2.59%
		Bharti	513	443	-70	-13.65%
		Quadrant (HFCL)	5,578	5,093	-485	-8.69%
		Reliance	3,570	2,412	-1,158	-32.44%
		TATA	12,758	6,207	-6,551	-51.35%
17	Rajasthan	Vodafone	-	-	0	-
		BSNL	34,777	30,538	-4,239	-12.19%
		Bharti	297	264	-33	-11.11%
		Sistema Shyam	19,749	19,205	-544	-2.75%
		Reliance	5,091	4,318	-773	-15.18%
		TATA	7,555	4,130	-3,425	-45.33%
18	Tamil Nadu (including Chennai)	Vodafone	-	-	0	-
		BSNL	145,172	140,141	-5,031	-3.47%
		Bharti	19,174	18,078	-1,096	-5.72%
		Reliance	37,162	30,992	-6,170	-16.60%
		TATA	43,097	24,664	-18,433	-42.77%
	Chennai	Vodafone	-	-	0	-
		BSNL	19,507	19,198	-309	-1.58%
		Reliance	8,029	6,958	-1,071	-13.34%
	Tamil nadu (excluding Chennai)	Vodafone	-	-	0	-
		BSNL	125,665	120,943	-4,722	-3.76%
		Bharti	19,174	18,078	-1,096	-5.72%
Reliance		29,133	24,034	-5,099	-17.50%	
		TATA	43,097	24,664	-18,433	-42.77%

**Annexure 1.4 (Contd.)**

S.No.	Name of the Circle/Service Area	Service Provider	31 <sup>st</sup> March 2012	30 <sup>th</sup> June 2012	Net PCO added/ decreased during the Q.E. June' 12	Percentage Growth/ Decline for the Q.E. 30.06.2012
19	Uttar Pradesh (East)	<b>BSNL</b>	97,992	93,277	-4,715	-4.81%
		<b>Bharti</b>	414	371	-43	-10.39%
		<b>Reliance</b>	7,708	6,928	-780	-10.12%
		<b>TATA</b>	7,122	3,612	-3,510	-49.28%
20	Uttar Pradesh (West) (including Uttranchal)	<b>BSNL</b>	27,027	24,131	-2,896	-10.72%
		<b>Bharti</b>	424	379	-45	-10.61%
		<b>Reliance</b>	5,946	5,253	-693	-11.65%
		<b>TATA</b>	12,993	5,782	-7,211	-55.50%
21	West Bengal (including Kolkata)	<b>BSNL</b>	<b>44,858</b>	<b>41,232</b>	<b>-3,626</b>	<b>-8.08%</b>
		<b>Bharti</b>	<b>151</b>	<b>118</b>	<b>-33</b>	<b>-21.85%</b>
		<b>Reliance</b>	<b>12,597</b>	<b>11,035</b>	<b>-1,562</b>	<b>-12.40%</b>
		<b>TATA</b>	<b>24,503</b>	<b>12,809</b>	<b>-11,694</b>	<b>-47.72%</b>
		<b>Vodafone</b>	-	-	<b>0</b>	-
	Kolkata	<b>BSNL</b>	10,830	10,165	-665	-6.14%
		<b>Bharti</b>	151	118	-33	-21.85%
		<b>Reliance</b>	3,915	3,299	-616	-15.73%
		<b>TATA</b>	11,730	7,005	-4,725	-40.28%
		<b>Vodafone</b>	-	-	0	-
	West Bengal (excluding Kolkata)	<b>BSNL</b>	34,028	31,067	-2,961	-8.70%
		<b>Reliance</b>	8,682	7,736	-946	-10.90%
		<b>TATA</b>	12,773	5,804	-6,969	-54.56%
<b>TOTAL</b>			<b>2,005,728</b>	<b>1,712,556</b>	<b>-293,172</b>	<b>-14.62%</b>

### Annexure 1.5: Service Provider wise details of Village Public Telephones

S. No.	Name of the Circle/Service Area	Service Provider	31 <sup>st</sup> Mar. 2012	30 <sup>th</sup> June 2012	Net VPT added/ decreased during the Q.E. June'12	Percentage Growth/ Decline for the Q.E. 30.06.2012
1	Andaman & Nicobar	BSNL	350	352	2	0.57%
2	Andhra Pradesh	BSNL	24040	24043	3	0.01%
		Bharti	0	0	0	-
		TATA	1358	1358	0	0.00%
		Reliance	0	0	0	-
		Vodafone	0	0	0	-
3	Assam	BSNL	24411	24471	60	0.25%
		TATA	0	0	0	-
4	Bihar(including Jharkhand)	BSNL	67739	67739	0	0.00%
		Reliance	0	0	0	-
		TATA	0	0	0	-
5	Delhi	Bharti	0	0	0	-
		MTNL	0	0	0	-
		TATA	0	0	0	-
		Reliance	0	0	0	-
		Vodafone	0	0	0	-
6	Gujarat	BSNL	16932	16932	0	0.00%
		Bharti	0	0	0	-
		TATA	0	0	0	-
		Reliance	0	0	0	-
		Vodafone	0	0	0	-
7	Haryana	BSNL	6678	6678	0	0.00%
		Bharti	0	0	0	-
		Reliance	0	0	0	-
		TATA	0	0	0	-
8	Himachal Pradesh	BSNL	17406	17406	0	0.00%
		Reliance	0	0	0	-
		TATA	0	0	0	-
9	Jammu & Kashmir	BSNL	6363	6363	0	0.00%
10	Karnataka	BSNL	27449	27449	0	0.00%
		Bharti	0	0	0	-
		TATA	0	0	0	-
		Reliance	0	0	0	-
		Vodafone	0	0	0	-
11	Kerala	BSNL	1372	1372	0	0.00%
		Bharti	0	0	0	-
		Reliance	0	0	0	-
		TATA	0	0	0	-
12	Madhya Pradesh (Including Chattisgarh)	BSNL	70164	70170	6	0.01%
		Bharti	0	0	0	-
		Reliance	0	0	0	-
		Vodafone	0	0	0	-
		TATA	0	0	0	-

**Annexure 1.5 (contd.)**

S. No.	Name of the Circle/Service Area	Service Provider	31 <sup>st</sup> Mar. 2012	30 <sup>th</sup> June 2012	Net VPT added/ decreased during the Q.E. June'12	Percentage Growth/ Decline for the Q.E. 30.06.2012
13	Maharashtra (including Mumbai)	BSNL & MTNL	39746	39760	14	0.04%
		Bharti	0	0	0	-
		TATA	2267	2267	0	0.00%
		Reliance	0	0	0	-
		Vodafone	0	0	0	-
	Mumbai	MTNL	0	0	0	-
		Bharti	0	0	0	-
		Reliance	0	0	0	-
		TATA	0	0	0	-
		Vodafone	0	0	0	-
	Maharashtra Excluding Mumbai	BSNL	39746	39760	14	0.04%
		Bharti	0	0	0	-
		Reliance	0	0	0	-
		TATA	2267	2267	0	0.00%
		Vodafone	0	0	0	-
14	North East	BSNL	12745	12793	48	0.38%
15	Orissa	BSNL	44858	44866	8	0.02%
		Reliance	0	0	0	-
		TATA	0	0	0	-
		Vodafone	0	0	0	-
16	Punjab	BSNL	12065	12065	0	0.00%
		Quadrant Televentures L	52	44	-8	-15.38%
		Bharti	0	0	0	-
		Reliance	0	0	0	-
		TATA	0	0	0	-
		Vodafone	0	0	0	-
17	Rajasthan	BSNL	38838	38838	0	0.00%
		Bharti	0	0	0	-
		Shyam	3010	3010	0	0.00%
		Reliance	0	0	0	-
		TATA	0	0	0	-
		Vodafone	0	0	0	-
18	Tamil Nadu (including Chennai)	BSNL	15492	15492	0	0.00%
		Bharti	0	0	0	-
		TATA	0	0	0	-
		Vodafone	0	0	0	-
		Reliance	0	0	0	-
	Chennai	BSNL	1655	1655	0	0.00%
		Vodafone	0	0	0	-
		Reliance	0	0	0	-
	Tamil Nadu (excluding Chennai)	BSNL	13837	13837	0	0.00%
		TATA	0	0	0	-
Bharti		0	0	0	-	

**Annexure 1.5 (contd.)**

S. No.	Name of the Circle/Service Area	Service Provider	31 <sup>st</sup> Mar. 2012	30 <sup>th</sup> June 2012	Net VPT added/ decreased during the Q.E. June'12	Percentage Growth/ Decline for the Q.E. 30.06.2012
19	U P (East)	BSNL	74121	74137	16	0.02%
		Bharti	0	0	0	-
		Reliance	0	0	0	-
		TATA	0	0	0	-
20	UP (West) (incl. Uttaranchal)	BSNL	38994	38994	0	0.00%
		Reliance	0	0	0	-
		Bharti	0	0	0	-
		TATA	0	0	0	-
21	West Bengal (including Kolkata)	BSNL	37268	37421	153	0.41%
		Bharti	0	0	0	-
		Reliance	0	0	0	-
		TATA	0	0	0	-
	Kolkata	BSNL	567	567	0	0.00%
		Bharti	0	0	0	-
		Reliance	0	0	0	-
		TATA	0	0	0	-
	West Bengal (excluding Kolkata)	BSNL	36701	36854	153	0.42%
		Reliance	0	0	0	-
TATA		0	0	0	-	
<b>Total</b>			<b>583,718</b>	<b>584,020</b>	<b>302</b>	<b>0.05%</b>

**Annexure 1.6: List of Internet Service Providers Providing Internet Telephony Service**

<b>S.No.</b>	<b>Name of the Service Provider</b>
1	Alliance Broadband Services Pvt. Ltd.
2	Apna Telelink Ltd.
3	Asianet Satellite Communications Ltd.
4	Bharat Sanchar Nigam Ltd.
5	Blazenet Ltd.
6	City Online Services Ltd
7	Citycom Networks Pvt. Ltd.
8	Cordia LT Communications Pvt Ltd
9	Data Infosys Ltd.
10	delDSL Internet Pvt Ltd
11	Digital2Virtual ISP Pvt. Ltd.
12	Dishnet Wireless Ltd
13	Fast Lynx Internet Service Pvt Ltd
14	Karuturi Telecom Private Limited
15	Mahanagar Telephone Nigam Ltd.
16	Manipal Ecommerce Ltd.
17	My Own Infotech Pvt. Ltd
18	Nettlinx Ltd.
19	Novanet Ltd.
20	Opto Network Pvt. Ltd.
21	Ortel Communication Ltd.
22	Pipetel Communications Pvt. Ltd.
23	Pulse Telesystems Pvt. Ltd.*
24	QBC Infotech Pvt. Ltd.
25	Sify Technologies Ltd.
26	Swastik Netvision Telecom P.Ltd
27	Swiftmail Communications Ltd.
28	Syntel Telecom Ltd.
29	Tata Communications Limited
30	Tata Teleservices (Maharashtra) Ltd.
31	Trikon Electronics Pvt. Ltd.
32	Tulip Telecom Limited
33	VIVA Communications Pvt Ltd
34	World Phone Internet Services Pvt Ltd
35	You Broadband & Cable India Private Limited
36	Zylog Systems(India) Ltd.)



## Annexure 1.7: Internet Service Provider wise Subscriber Base

Sl.No.	Name of ISP	Cat.	Geographical Area of Operation	Internet Connection (< 256 Kbps Speed)	Broadband Connection > 256 Kbps Speed)	Total Internet Connection (Incl Broadband & Leased Line) as on June-2012	Total Internet Connection (Incl Broadband & Leased Line) as on March-2012	% Growth
1	Bharat Sanchar Nigam Ltd.	A	All India	3198011	9244881	12442892	12646030	-1.61%
2	Reliance Communications Infrastructure Limited	A	All India	3383180	197588	3580768	3576691	0.11%
3	Mahanagar Telephone Nigam Ltd.	B	Delhi & Mumbai	1499718	1069018	2568736	2543572	0.99%
4	Bharti Airtel Ltd.	A	All India	3667	1379369	1383036	1381630	0.10%
5	You Broadband & Cable India Private Limited	A	All India	45544	633271	678815	421251	61.14%
6	Hathway Cable & Datacom Pvt. Ltd.	A	All India	1461	363986	365447	361425	1.11%
7	Tikona Digital Networks Pvt Ltd	A	All India	1304	290966	292270	278195	5.06%
8	Beam Telecom Pvt. Ltd.	B	Andhra Pradesh	0	222279	222279	201451	10.34%
9	Tata Communications Limited	A	All India	43281	107363	150644	181855	-17.16%
10	Tata Teleservices(Maharashtra) Ltd.	A	All India	16	111004	111020	111505	-0.43%
11	Quadrant Televentures Ltd.(HFCL Infotel Ltd.)	B	Punjab Telecom Circle	7441	103531	110972	109047	1.77%
12	Asianet Satellite Communications Ltd.	B	Kerala	3834	106445	110279	107313	2.76%
13	Sify Technologies Ltd.	A	All India	28313	57291	85604	88263	-3.01%
14	Syscon Infoway Pvt Ltd	B	Mumbai	1	78840	78841	71011	11.03%
15	Data Infosys Ltd.	A	All India	77885	470	78355	80578	-2.76%
16	D-Vois Broadband Private Limited	A	All India/Karnataka	27	53171	53198	51109	4.09%
17	Ortel Communication Ltd.	A	Orissa, West Bengal, Andhra Pradesh, Chattisgarh	0	51477	51477	52456	-1.87%
18	Five Network Solution (India) Ltd.	A	All India	0	50847	50847	47074	8.02%
19	Zylog Systems(India) Ltd.)	A	All India	13296	31726	45022	41891	7.47%
20	Broadband Pacenet (I) Pvt. Ltd.	A	All India	145	37084	37229	37637	-1.08%
21	Spectra ISP Network Pvt. Ltd.(Punj Lloyd)	A	All India	537	36482	37019	35566	4.09%
22	Ankhnet Informations Pvt. Ltd	B	Mumbai	31778	32	31810	31810	0.00%
23	Indusind Media & Communications Limited (In2cable (I) Ltd.)	A	All India	1078	28415	29493	29405	0.30%
24	Tikona Infinet Ltd.(HCL Infinet Ltd.)	A	All India	27314	878	28192	28697	-1.76%
25	Chandra Net Pvt. Limited	B	Ahmedabad, Gujarat	50	26692	26742	26849	-0.40%

### Annexure 1.7 (contd.)

Sl.No.	Name of ISP	Cat.	Geographical Area of Operation	Internet Connection (< 256 Kbps Speed)	Broadband Connection > 256 Kbps Speed)	Total Internet Connection (Incl Broadband & Leased Line) as on June-2012	Total Internet Connection (Incl Broadband & Leased Line) as on March-2012	% Growth
26	Nivyah Infrastructure & Telecom Services Ltd. (Softeng Computers Pvt. Ltd.)	A	All India	0	25978	25978	25175	3.19%
27	Alliance Broadband Services Pvt. Ltd.	B	Kolkata	168	22731	22899	24531	-6.65%
28	Noida Software Technology Park Ltd.	A		0	21575	21575	15524	38.98%
29	Shyam Internet Services Ltd.	B	Rajasthan	16295	3502	19797	19218	3.01%
30	Gujarat Telelink Pvt.	B	Gujarat	1165	17782	18947	18947	0.00%
31	Meghbela Cable & Broadband Servies (P) Ltd.	B	Kolkata	6530	12188	18718	15731	18.99%
32	Vodafone Essar Gujarat Ltd.	B	Gujarat	18001	0	18001	18001	0.00%
33	Honesty Net Solutions (I) Pvt Ltd.	B	Mumbai	2486	14848	17334	8839	96.11%
34	Atria Convergence Technologies Pvt. Ltd.	A	Karnataka	0	16746	16746	2163	674.20%
35	Rajesh Multi Channel Pvt. Ltd.	B	Mumbai	15	13883	13898	13362	4.01%
36	Wish Net Pvt. Ltd.	B		98	13270	13368	12985	2.95%
37	Southern Online Bio Technologies Ltd.	B	Andhra Pradesh	6347	6872	13219	12614	4.80%
38	Vasai Cable Pvt. Ltd.	C		9	11563	11572	12157	-4.81%
39	Home Systems Pvt. Ltd.	B	Mumbai	0	10410	10410	8730	19.24%
40	IOL Netcom Limited	B	Mumbai	0	9973	9973	9973	0.00%
41	City Online Services Ltd.	B	Andhra Pradesh & Karnataka	57	6382	6439	6439	0.00%
42	IKF Technologies Ltd.	A	All India	3604	2503	6107	919	564.53%
43	DEN Networks Ltd.	A	All India	768	3675	4443	4002	11.02%
44	Spacenet Internet Services Pvt Ltd.	B	Delhi	18	4259	4277	4338	-1.41%
45	Swiftmail Communications Ltd.	A	All India	718	3375	4093	3548	15.36%
46	Hathway Bhawani Cabletel & Datacom Pvt. Ltd.	B	Mumbai	59	3758	3817	3727	2.41%
47	HCL Comnet Systems & Services Ltd.	A	All India	3454	0	3454	3454	0.00%
48	Descon Ltd.	B	Kolkata & West Bengal Telecom Circle	3328	1	3329	3329	0.00%
49	Dishnet Wireless Ltd.	A	All India	8	3295	3303	3132	5.46%
50	Siliguri Internet & Cable TV Pvt. Ltd.			0	3172	3172	3067	3.42%
51	Narmada Cyberzone Pvt Ltd.	C	Gujarat	1829	1199	3028	2875	5.32%
52	Blazenet Ltd.	B	Gujarat	10	2910	2920	2920	0.00%
53	F/X Wireless Technology Services Pvt. Ltd.	B	Mumbai	163	2696	2859	2859	0.00%

### Annexure 1.7 (contd.)

Sl.No.	Name of ISP	Cat.	Geographical Area of Operation	Internet Connection (< 256 Kbps Speed)	Broadband Connection > 256 Kbps Speed)	Total Internet Connection (Incl Broadband & Leased Line) as on June-2012	Total Internet Connection (Incl Broadband & Leased Line) as on March-2012	% Growth
54	RailTel Corporation of India Ltd.	A	All India	0	2840	2840	2840	0.00%
55	Quest Consultancy Pvt. Ltd.	C	Valsad SSA	9	2809	2818	2816	0.07%
56	Geocity Network Solutions Pvt. Ltd.	B	Delhi	2	2732	2734	2511	8.88%
57	Nettlinx Ltd.	B	Andhra Pradesh	32	2519	2551	2358	8.18%
58	Symbois Creations Pvt. Ltd.	C	Nagaland	1	2326	2327	2277	2.20%
59	Bhupati Hotels Pvt. Ltd	B	Andhra Pradesh	34	2249	2283	2283	0.00%
60	Hughes Communications India Ltd.	A	All India	27	2144	2171	2297	-5.49%
61	Value Healthcare Ltd.	B	Mumbai	1928	13	1941	1941	0.00%
62	Kaizen Infonet Pvt Ltd	B	Gujarat Circle & Surat SSA	261	1643	1904	1719	10.76%
63	Rajesh Patel Net Services Pvt. Ltd.	C	Indore(MP)	0	1850	1850	1845	0.27%
64	Apna Telelink Ltd.	C	Jalandhar	0	1638	1638	325	404.00%
65	Ishan Netsol Pvt Ltd	B	Gujarat	1535	103	1638	1777	-7.82%
66	Sanchar Telenetwork Pvt Ltd	C	Bhavnagar SSA	18	1567	1585	1554	1.99%
67	Trikon Electronics Pvt. Ltd.	B	Mumbai	0	1526	1526	1558	-2.05%
68	Yashash Cable Network Pvt Ltd	B	karnataka	28	1489	1517	1383	9.69%
69	Star Broadband Services (I) Pvt Ltd	B	Delhi	0	1460	1460	1552	-5.93%
70	CJM Consultancy Services Pvt. Ltd.	B	Delhi	0	1399	1399	1199	16.68%
71	CJ Online Pvt. Ltd.	C	Ghaziabad	174	1128	1302	1174	10.90%
72	Speed Online.net Pvt. Ltd.	C	Rajkot	898	357	1255	1330	-5.64%
73	Wan and Lan Internet Pvt. Ltd.	B		84	1166	1250	1256	-0.48%
74	Touch Net India Pvt. Ltd.	C		93	1138	1231	1217	1.15%
75	Cordia LT Communications Pvt Ltd	A	All India	241	983	1224	1224	0.00%
76	Readylink Internet Services Pvt Ltd	B	ROTN	9	1153	1162	1139	2.02%
77	Capture Network Systems Pvt. Ltd.	B	Gujarat	3	1146	1149	999	15.02%
78	North East Dataa Network Pvt Ltd.	B	Karnataka	13	1084	1097	1677	-34.59%
79	Digital2Virtual ISP Pvt. Ltd.	B	Gujarat	148	747	895	894	0.11%
80	Intermedia Cable Communication Pvt	C	Pune/Nasik	500	365	865	876	-1.26%

### Annexure 1.7 (contd.)

Sl.No.	Name of ISP	Cat.	Geographical Area of Operation	Internet Connection (< 256 Kbps Speed)	Broadband Connection > 256 Kbps Speed)	Total Internet Connection (Incl Broadband & Leased Line) as on June-2012	Total Internet Connection (Incl Broadband & Leased Line) as on March-2012	% Growth
81	Pioneer eLabs Ltd.	B	Andhra Pradesh	611	108	719	719	0.00%
82	Pipetel Communications Pvt. Ltd.			0	548	548	538	1.86%
83	Rajdhani Telecom Pvt. Ltd.			93	423	516	526	-1.90%
84	Software Technology Park of India(STPI)	A	All India	39	458	497	497	0.00%
85	delDSL Internet Pvt Ltd	B	Delhi & Gurgaon	6	462	468	467	0.21%
86	ERNET India	A	All India	184	224	408	451	-9.53%
87	Pacific Internet India Pvt. Ltd.	A	All India	0	385	385	343	12.24%
88	S.S.Netcom Pvt Ltd	B	North East Circle	22	336	358	520	-31.15%
89	Sikka Broadband(P) Ltd.(Gomti Cable Network Pvt. Ltd.)	C	Lucknow SSA	142	144	286	277	3.25%
90	Khetan Cable Network (P) Ltd	C	Indore SSA	242	26	268	268	0.00%
91	Rida Communication Pvt. Ltd.	C	Aligarh SSA	6	228	234	254	-7.87%
92	Primenet Global Ltd.	A	All India	0	227	227	218	4.13%
93	Bhiwani Communications Pvt. Ltd.	C	Rohtak	130	90	220	214	2.80%
94	Nihar Internet Services (P) Ltd	C	Ghaziabad-SSA	104	110	214	182	17.58%
95	World Phone Internet Services Pvt Ltd	A	All India	0	207	207	407	-49.14%
96	Vainavi Industries Ltd.	B	Andhra Pradesh	200	0	200	200	0.00%
97	Rainbow Communications (India) Pvt Ltd	C	Salem SSA	195	2	197	197	0.00%
98	United Telecoms Ltd.	B		0	192	192	187	2.67%
99	Amber Online Services Ltd.	B	Andhra Pradesh	3	188	191	191	0.00%
100	Sab Industries Ltd. (Sab Infotech)	B,C	Punjab, Karnal, Ambala, Hisar	81	108	189	201	-5.97%
101	Bohra Pratisthan Pvt. Ltd	C	Udaipur SSA	140	35	175	175	0.00%
102	Multinet (Udaipur) Pvt. Ltd.	C	Udaipur SSA	174	0	174	184	-5.43%
103	VIVA Communications Pvt Ltd(Mylai Karpagambal Information Systems (P) Ltd)	A	Chennai	0	174	174	174	0.00%
104	Tulip Telecom Limited (Tulip IT Services Ltd.)	A	All India	2	159	161	234	-31.20%
105	Netcom Online Solutions India Pvt Ltd.	B	Tamil Nadu	60	98	158	158	0.00%
106	Sanyog Networks Pvt Ltd	C	Tripura SSA	146	12	158	154	2.60%
107	Mynet Services India Pvt. Ltd.*	C	Tamil Nadu SSA	6	128	134	150	-10.67%
108	Tatanet Services Ltd	A	All India	0	131	131	151	-13.25%

### Annexure 1.7 (contd.)

Sl.No.	Name of ISP	Cat.	Geographical Area of Operation	Internet Connection (< 256 Kbps Speed)	Broadband Connection > 256 Kbps Speed)	Total Internet Connection (Incl Broadband & Leased Line) as on June-2012	Total Internet Connection (Incl Broadband & Leased Line) as on March-2012	% Growth
109	Micky Online Pvt Ltd	C	Moradabad	130	0	130	130	0.00%
110	Verizon Communications India Pvt. Ltd. (Worldcom Communications )	A	All India	0	127	127	127	0.00%
111	Trans Virtual Pvt. Ltd.	C		126	0	126	120	5.00%
112	QBC Infotech Pvt. Ltd.	B	Mumbai	0	125	125	125	0.00%
113	Quick Online Pvt. Ltd.	C	Ghaziabad SSA	2	118	120	120	0.00%
114	Microsense Pvt. Ltd.	A	All India	0	108	108	109	-0.92%
115	Karuturi Telecom Private Limited(Estel Communications Pvt. Ltd)	A	All India	0	107	107	105	1.90%
116	Pulse Telesystems Pvt. Ltd.*	B & C	Chennai & Pondicherry	0	106	106	106	0.00%
117	Madura Cable Net Pvt. Ltd.	C		90	12	102	102	0.00%
118	iCAN Solutions Private Limited	B	Mumbai	32	63	95	95	0.00%
119	Oasis Cable Pvt Ltd.	C	Haridwar SSA	77	16	93	93	0.00%
120	Conjoinix Technologies Pvt Ltd	C	J&K, Chandigarh	0	90	90	89	1.12%
121	Shri Vinayagaa Internet Pvt Ltd	C	Madurai SSA	69	15	84	104	-19.23%
122	Tarang Communications Pvt. Ltd.	C	Guwahati SSA	1	82	83	83	0.00%
123	ISP Solutions India Pvt. Ltd.	C	Coimbatore SSA	3	78	81	81	0.00%
124	Eronet Broadband Service India Pvt. Ltd.	C	Erode	11	69	80	80	0.00%
125	Harisree Cable Net Pvt. Ltd.	C	Kannur SSA	8	58	66	65	1.54%
126	Guj Info Petro Ltd. (GIPL)	A	Gujarat	0	59	59	56	5.36%
127	Limras Eronet Broadband Service Pvt Ltd	A	Tamil Nadu SSA	53	5	58	58	0.00%
128	RS Broadband Service India Pvt Ltd.	B	Tamil Nadu SSA	41	15	56	56	0.00%
129	Nelco Ltd.	A	All India	0	52	52	53	-1.89%
130	Aeroway Networks Pvt Ltd.	C	Mysore SSA	40	11	51	76	-32.89%
131	Wire and Wireless India Ltd.	A	Across India	1	44	45	45	0.00%
132	Konark Infocomm Pvt Ltd	C	Ghaziabad SSA	41	1	42	42	0.00%
133	NetMagic Solutions(P) Ltd.	A	All India	0	42	42	56	-25.00%
134	Dreamzcraft Info Solutions Pvt Ltd	C	Dehradun SSA	12	28	40	40	0.00%

## Annexure 1.7 (contd.)

Sl.No.	Name of ISP	Cat.	Geographical Area of Operation	Internet Connection (< 256 Kbps Speed)	Broadband Connection > 256 Kbps Speed)	Total Internet Connection (Incl Broadband & Leased Line) as on June-2012	Total Internet Connection (Incl Broadband & Leased Line) as on March-2012	% Growth
135	Novanet Ltd.	B		18	18	36	7	414.29%
136	Chemical And Metallurgical Design Co. Ltd	B	Delhi	0	35	35	35	0.00%
137	Essel Shyam Communications Limited	A	All India	30	0	30	30	0.00%
138	Reach Network India Pvt. Ltd.	A	All India	2	28	30	30	0.00%
139	Adya Tech One Services Pvt Ltd	C	Ghaziabad SSA	0	29	29	36	-19.44%
140	West Bengal Electronics Industry Development Corp. Ltd.	B	Kolkata, WB	0	28	28	31	-9.68%
141	Dream Plus Multi Services Pvt. Ltd.	B	Bihar	4	23	27	23	17.39%
142	Kelnet Communication Services Pvt. Ltd	C	Trivandrum	0	25	25	23	8.70%
143	Power Grid Corporation of India Ltd.	A	All India	0	25	25	25	0.00%
144	AT&T Global Network Services India Private Limited	A	All India	0	21	21	21	0.00%
145	Devas Multimedia Pvt.Ltd.	A	Bengalore & karnataka	0	18	18	18	0.00%
146	Financial Technologies Communications Ltd.	A	Mumbai	0	16	16	16	0.00%
147	Nextgen Communications Ltd(RPG Infotech Ltd).	A	All India	5	7	12	12	0.00%
148	Equant Network Services India Pvt. Ltd.(applied for surrender)	A	All India	0	11	11	6	83.33%
149	Vcare Call Centres India Pvt. Ltd.			0	10	10	0	100.00%
150	Godrej Infotech Ltd.	B	Mumbai	4	3	7	7	0.00%
151	ABT Ltd.	C	Coimbatore SSA	0	5	5	5	0.00%
152	Citycom Networks Pvt. Ltd.			0	5	5	5	0.00%
153	My Own Infotech Pvt. Ltd.	C	Surat SSA	5	0	5	5	0.00%
154	STN Communication & Advertising Pvt Ltd.	C	Guwahati	0	5	5	10	-50.00%
155	Vishwashakti Technologies Pvt Ltd.	B	Hyderabad	0	5	5	5	0.00%
156	Opto Network Pvt. Ltd.	A	All India	0	4	4	4	0.00%
157	Astro Network India Pvt. Ltd.	A	All India	0	3	3	3	0.00%
158	Centre for Development of Advanced Computing, C-DAC	C	Ghaziabad SSA	0	3	3	3	0.00%
159	S&A Internet Services Private Limited(applied for surrender)	A	All India	0	3	3	3	0.00%
160	Compucom (I) Pvt. Ltd.	C	Jaipur	2	0	2	2	0.00%
161	Fast Lynx Internet Service Pvt Ltd	B	Punjab	2	0	2	3	-33.33%
162	Manipal Ecommerce Ltd.	B	Karnataka	1	1	2	2	0.00%

### Annexure 1.7 (contd.)

Sl.No.	Name of ISP	Cat.	Geographical Area of Operation	Internet Connection (< 256 Kbps Speed)	Broadband Connection > 256 Kbps Speed)	Total Internet Connection (Incl Broadband & Leased Line) as on June-2012	Total Internet Connection (Incl Broadband & Leased Line) as on March-2012	% Growth
163	Maple PC & Peripherals Pvt Ltd	C	Jamshedpur SSA	0	2	2	2	0.00%
164	National Stock Exchange of India Ltd	A	ALL INDIA	0	2	2	2	0.00%
165	Infotel Broadband Services Pvt Ltd	A	All India	0	1	1	1	0.00%
166	L&T Finance Ltd.(L&T Netcom Ltd.)	A	All India	0	1	1	1	0.00%
167	Virgo Global Media Ltd (Online Media Solutions Ltd)	B	Andhra Pradesh	1	0	1	1	0.00%
168	Advanced Financial Services Pvt Ltd	B	Hyderabad, Andhra Pradesh	0	0	0	0	0.00%
169	Broadlane Networks Pvt. Ltd.	C	Dombivli, Maharashtra	0	0	0	0	0.00%
170	Gujarat Narmada Valley Fertilizer Co. Ltd. (GNFC)	A	All India	0	0	0	0	0.00%
171	ISP Services (India) Pvt. Ltd.	C	Trichy	0	0	0	0	0.00%
172	Karuturi Global Ltd.	B	Karnataka	0	0	0	0	0.00%
173	Kerala State Electronics Development Corp Ltd (Keltron)	C	Thiruvananthapuram	0	0	0	0	0.00%
174	Pan India Network Infravest Pvt. Ltd.	B	Mumbai, Navi Mumbai	0	0	0	1	0.00%
175	Reliance Wimax Limited (Gateway Systems (I) Ltd)	A	All India	0	0	0	0	0.00%
176	Stel Pvt. Ltd.	A	All India	0	0	0	0	0.00%
177	Sisam Technologies Pvt. Ltd.			0	0	0	0	0.00%
178	Space Online Ltd	B	Gujarat	0	0	0	0	0.00%
179	Spectrum Softech Solutions Pvt. Ltd.	C	Ernakulam SSA	0	0	0	0	0.00%
180	Swastik Netvision Telecom P.Ltd	B	Gujarat	0	0	0	0	0.00%
181	Tata Internet Services Ltd.	A	All India	0	0	0	0	0.00%
182	Trak Online Net India Pvt.Ltd	A	All India	0	0	0	0	0.00%
183	Urban Communications Infrastructure Pvt. Ltd.	B		0	0	0	0	0.00%
	<b>Total</b>			<b>8442446</b>	<b>14568197</b>	<b>23010643</b>	<b>22859722</b>	<b>0.66%</b>

### Annexure 1.8: Service Area wise PMRTS subscriber Base

Sr. No.	Service Providers	Operative Area	Subscriber Base	
			31.03.12	30.06.12
1	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	Delhi Metro	1500	1641
		Maharashtra/Pune/Mumbai	4551	4700
		Kolkata	1763	1745
		Gujarat	3211	3370
		Karnataka	4374	4631
		Tamilnadu	3591	3665
		Andhra Pradesh	2385	2417
		Madhya Pradesh	754	750
	<b>Sub Total</b>		<b>22129</b>	<b>22919</b>
2	*Procall Ltd.	Delhi	4812	4456
		Jaipur	388	416
		Gurgaon	990	1006
		Faridabad	328	328
	<b>Sub Total</b>		<b>6518</b>	<b>6206</b>
3	Smartalk Pvt Limited	Pune	669	534
		Vashi	340	302
		Mumbai	537	543
	<b>Sub Total</b>		<b>1546</b>	<b>1379</b>
4	QuickCalls India Pvt. Limited	Bangalore	1023	700
		Hyderabad	1457	1475
		Chennai	969	885
	<b>Sub Total</b>		<b>3449</b>	<b>3060</b>
5	Bhilwara Telenet Services Pvt Limited	Mumbai	1111	936
	<b>Total</b>		<b>1111</b>	<b>936</b>
6	*India Satcom Ltd.	Bangalore	0	0
	<b>Sub Total</b>		<b>0</b>	<b>0</b>
<b>Grand Total</b>			<b>34753</b>	<b>34500</b>



## Annexure 2.1: GSM Service – Service Area wise Statistics for QE Jun-12

### Category: Circle A

Service Area	% of prepaid in total subscribers	ARPU (₹ per month)	Outgoing SMS per subscriber per month	Outgoing MOU per sub. per month	Incoming MOU per sub. Per month	Total MOU per sub per month
AP	96.97	111	48	179	186	365
Gujarat	95.76	90	39	171	151	321
Karnataka	96.12	104	78	187	179	366
MH	95.89	105	40	166	164	331
TN (incl. Chennai)	96.11	102	65	161	171	332

### Category: Circle B

Service Area	% of prepaid in total subscribers	ARPU (₹ per month)	Outgoing SMS per subscriber per month	Outgoing MOU per sub. per month	Incoming MOU per sub. Per month	Total MOU per sub per month
Haryana	98.20	75	28	150	144	294
Kerala	97.19	119	53	167	211	379
MP	98.35	85	25	151	154	305
Punjab	95.10	96	41	188	186	374
Rajasthan	98.51	95	25	154	169	323
UP(E)	99.09	85	16	151	204	355
UP(W)	98.65	75	27	142	156	298
WB	99.46	65	12	131	160	291

### Category: Circle C

Service Area	% of prepaid in total subscribers	ARPU (₹ per month)	Outgoing SMS per subscriber per month	Outgoing MOU per sub. per month	Incoming MOU per sub. Per month	Total MOU per sub per month
Assam	96.53	112	48	203	226	430
Bihar	99.64	78	10	149	216	365
HP	98.50	84	34	197	196	393
J&K	91.89	168	3	350	317	666
NE	97.01	114	112	201	189	390
Orissa	99.17	73	17	170	202	372

### Category: Metro

Service Area	% of prepaid in total subscribers	ARPU (₹ per month)	Outgoing SMS per subscriber per month	Outgoing MOU per sub. per month	Incoming MOU per sub. Per month	Total MOU per sub per month
Kolkata	95.51	78	44	155	160	315
Delhi	89.74	142	54	216	182	398
Mumbai	89.30	120	51	206	151	357

**Annexure 2.2: CDMA Full Mobility Service – Service Area wise Statistics  
for QE Jun-12**

**Category: Circle A**

Service Area	% of Prepaid in total subscribers	ARPU (Rs. per month)	Outgoing SMS per subs/month	Outgoing MOU/subs/month	Incoming MOU/subs/month	Total MOU/sub/month
MH	92%	81	21	126	109	236
Gujarat	88%	76	25	94	87	182
TN	89%	88	26	78	85	163
Karnataka	91%	93	12	99	111	210
AP	92%	83	20	112	119	232

**Category: Circle B**

Service Area	% of Prepaid in total subscribers	ARPU (Rs. per month)	Outgoing SMS per subs/month	Outgoing MOU/subs/month	Incoming MOU/subs/month	Total MOU/subs/month
WB	99%	46	5	126	131	258
Rajasthan	96%	61	13	138	138	276
UP(E)	97%	47	12	90	110	199
MP	97%	46	9	125	116	241
Kerala	92%	63	10	63	73	137
UP(W)	97%	49	17	98	109	207
Haryana	94%	56	17	124	110	234
Punjab	87%	86	14	134	94	228

**Category: Circle C**

Service Area	% of Prepaid in total subscribers	ARPU (Rs. per month)	Outgoing SMS per subs/month	Outgoing MOU/subs/month	Incoming MOU/subs/month	Total MOU/subs/month
Orissa	95%	52	6	130	128	258
Bihar	98%	54	8	151	154	304
HP	90%	95	7	122	99	222
J&K	50%	282	2	215	165	381
North East	79%	297	28	93	63	156
Assam	57%	332	11	101	62	163

**Category: Metro**

Service Area	% of Prepaid in total subscribers	ARPU (Rs. per month)	Outgoing SMS per subs/month	Outgoing MOU/subs/month	Incoming MOU/subs/month	Total MOU/subs/month
Kolkata	93%	75	10	121	124	245
Delhi	89%	101	82	139	114	254
Mumbai	86%	121	23	100	98	198

## Annexure 4.1: Performance of QoS Parameters for Cellular Mobile Service

Name of Service Area	Name of Service Provider	Network Related Parameters									Customer Service Quality Parameters								
		Network Availability		Connection Establishment			Connection Maintenance (Retainability)			POI	Metering and Billing				Response time to the		Termination / closure of		
		BTSs Accumulated downtime (not available for service) (%age)	Worst affected BTSs due to downtime (%age)	Call Set-up Success Rate (within licensee's own network)	SDDCH/ Paging Chl. Congestion (%age)	TCH Congestion (%age)	Call Drop Rate (%age)	Worst affected cells having more than 3% TCH drop (call drop) rate (%age)	Connection with good voice quality	Point of Interconnection (POI) Congestion (% of POIs not meeting the benchmarks) (Averaged over a period of quarter)	Metering and billing credibility - post paid	Metering and billing credibility - pre paid	Resolution of billing/charging/validity complaints	Period of applying credit waiver/ adjustment to customer's account from the date of intn of complaints	Accessibility of call centre/ customer care	Percentage of calls answered by the operators (voice to voice) within 60 seconds	%age requests for Termination/ Closure of service completed 1.00	Time taken for refund of deposits after closures	
		≤ 2%	≤ 2%	≥ 95%	≤ 1%	≤ 2%	≤ 2%	≤ 3%	≥ 95%	≤ 0.5%	≤ 0.1%	≤ 0.1%	100% within 4 weeks	within 1 week of resolution of complaint	≥ 95%	≥ 90%	100% within 7 days	100% within 60 days	
AP	Aircel	0.02	0.00	99.35	0.07	0.03	0.72	1.16	98.33	0	0.01	0.12	100.00	100.00	100.00	69.00	100.00	100.00	
	Airtel	0.02	0.02	99.84	0.07	0.07	0.34	0.84	99.83	0	0.00	0.00	100.00	100.00	100.00	89.83	100.00	100.00	
	BSNL	1.53	0.00	97.33	0.87	1.90	1.03	2.80	97.60	0	0.00	0.00	100.00	100.00	98.00	95.00	100.00	100.00	
	Idea	0.04	0.00	99.95	0.64	0.40	0.86	2.98	97.48	0	0.06	0.00	100.00	100.00	99.39	93.07	100.00	66.67	
	MTS	0.23	0.00	99.01	0.00	0.00	0.40	1.19	100.00	0	0.00	0.00	100.00	100.00	98.00	96.46	100.00	100.00	
	RCOM CDMA	0.10	0.03	99.27	0.00	0.04	0.14	0.06	99.57	0	0.09	0.04	100.00	100.00	99.44	95.72	100.00	100.00	
	RCOM GSM	0.09	0.03	99.72	0.01	0.02	0.36	0.02	99.07	0	0.10	0.11	100.00	100.00	99.36	95.79	100.00	100.00	
	TATA CDMA	0.05	0.00	99.21	0.00	0.18	0.51	0.46	99.03	0	NR	NR	NR	NR	NR	NR	NR	NR	
	TATA GSM	0.08	0.18	98.94	0.08	0.17	0.64	2.41	98.20	0	NR	NR	NR	NR	NR	NR	NR	NR	
	Uninor	0.07	0.00	98.67	0.21	0.15	1.26	1.73	98.75	0	0.00	0.01	100.00	0.00	95.65	97.75	0.00	0.00	
AS	Videocon	0.54	0.00	99.55	0.22	0.00	0.22	0.00	99.81	0	0.00	0.00	100.00	100.00	100.00	96.00	0.00	0.00	
	Vodafone	0.08	0.22	99.22	0.10	0.46	0.52	2.75	98.97	0	0.05	0.09	100.00	100.00	100.00	97.37	100.00	100.00	
	MTS	1.44	0.00	99.65	0.00	0.04	0.31	2.06	97.19	0	0.00	0.00	0.00	100.00	100.00	100.00	0.00	0.00	
	Aircel	0.36	1.94	97.18	0.75	1.43	1.53	4.11	95.30	0	0.00	0.06	100.00	100.00	100.00	89.00	100.00	100.00	
	Airtel	0.11	0.24	98.99	0.07	0.20	1.25	1.34	99.81	0	0.00	0.00	100.00	100.00	100.00	92.32	100.00	100.00	
	BSNL	1.33	7.30	97.33	0.90	1.90	1.93	3.27	95.30	0	0.00	0.00	100.00	100.00	100.00	64.50	100.00	100.00	
	Idea	0.56	1.26	97.91	0.46	1.20	1.07	2.45	96.09	0	0.00	0.00	100.00	100.00	96.86	84.89	100.00	98.48	
	RTL	0.33	0.73	98.97	0.03	0.22	0.57	0.01	98.44	0	0.10	0.08	100.00	100.00	98.99	91.03	100.00	100.00	
	TATA CDMA	0.14	0.00	99.35	0.00	0.06	0.53	0.86	99.65	0	NR	NR	NR	NR	NR	NR	NR	NR	
	Uninor	1.11	0.39	99.16	0.01	0.02	1.53	1.71	98.48	0	0.00	0.00	100.00	0.00	98.55	100.00	0.00	0.00	
BH	Vodafone	1.05	1.63	98.38	0.36	0.77	0.86	2.48	97.22	0	0.04	0.01	100.00	100.00	100.00	85.91	100.00	100.00	
	Aircel	1.30	1.85	98.00	0.32	1.52	1.13	2.96	95.98	0	0.00	0.07	100.00	100.00	100.00	88.00	100.00	100.00	
	Airtel	0.23	0.52	99.39	0.18	0.25	0.56	1.41	99.26	0	0.00	0.00	100.00	100.00	99.00	93.07	100.00	100.00	
	Idea	0.96	1.82	97.94	0.90	1.85	1.42	2.78	95.45	0	0.07	0.01	100.00	100.00	96.47	96.85	100.00	100.00	
	MTS	1.21	0.62	99.63	0.00	0.13	0.88	2.53	98.47	0	0.00	0.00	100.00	100.00	99.74	90.00	0.00	0.00	
	RCOM CDMA	0.34	1.03	98.70	0.00	0.26	0.25	0.22	99.73	0	0.10	0.10	100.00	100.00	97.80	94.53	100.00	100.00	
	RTL	0.07	0.15	98.80	0.10	0.12	0.51	0.03	98.46	0	0.10	0.10	100.00	100.00	96.68	92.02	100.00	100.00	
	TATA CDMA	0.06	0.16	98.31	0.00	0.30	0.76	1.54	99.29	0	NR	NR	NR	NR	NR	NR	NR	NR	
	TATA GSM	0.01	0.00	98.76	0.06	0.16	0.74	1.59	97.94	0	NR	NR	NR	NR	NR	NR	NR	NR	
	Uninor	1.66	1.60	97.96	0.43	1.34	1.49	2.44	95.65	0	0.00	0.04	100.00	0.00	95.87	92.02	0.00	0.00	
Vodafone	0.54	1.52	95.45	1.08	2.85	1.63	11.73	96.75	0	0.01	0.25	100.00	100.00	100.00	98.55	100.00	100.00		
BSNL	3.38	3.60	97.00	0.47	1.22	1.72	3.75	95.85	1	0.04	0.06	100.00	100.00	99.00	96.40	100.00	100.00		
Videocon	1.00	0.00	99.20	0.20	0.10	0.34	0.00	97.12	0	0.00	0.00	100.00	100.00	100.00	96.00	0.00	0.00		

### Annexure 4.1 (Contd.)

CHN	Aircel	1.68	0.00	97.09	0.51	1.24	0.50	1.53	98.36	0	0.05	0.04	100.00	100.00	100.00	76.00	100.00	100.00
	Airtel	0.01	0.00	99.86	0.01	0.01	0.15	0.12	99.63	0	0.00	0.00	100.00	100.00	95.00	48.81	100.00	100.00
	BSNL	0.47	0.87	99.67	0.23	0.43	0.83	1.83	100.00	0	0.00	0.00	100.00	100.00	100.00	96.70	100.00	100.00
	TATA CDMA	0.05	0.00	99.32	0.00	0.02	0.21	0.00	99.24	0	NR	NR	NR	NR	NR	NR	NR	NR
	TATA GSM	0.05	0.15	98.18	0.06	0.02	0.75	0.84	98.45	0	NR	NR	NR	NR	NR	NR	NR	NR
	Vodafone	0.08	0.50	99.38	0.21	0.19	0.51	0.70	98.69	0	0.02	0.03	100.00	100.00	100.00	95.47	100.00	100.00
	Idea	0.01	0.00	99.70	0.06	0.02	0.44	0.40	97.90	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	RCOM CDMA	0.15	0.31	99.19	0.00	0.04	0.09	0.05	99.67	0	0.08	0.03	100.00	100.00	98.72	92.76	100.00	100.00
RCOM GSM*	0.16	0.34	99.89	0.02	0.01	0.19	0.04	99.55	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DL	Idea	0.11	0.00	99.71	0.21	0.64	0.53	1.58	98.51	0	0.08	0.01	100.00	100.00	98.10	95.04	100.00	100.00
	MTS	0.09	0.34	99.15	0.00	0.30	0.35	1.31	99.96	0	0.00	0.00	100.00	100.00	99.00	96.23	100.00	100.00
	Aircel	0.33	1.70	97.99	0.17	0.20	0.63	1.72	97.54	0	0.08	0.09	100.00	100.00	100.00	49.00	100.00	100.00
	Airtel	0.01	0.00	99.90	0.03	0.05	0.60	0.94	99.06	0	0.00	0.00	100.00	100.00	100.00	76.41	100.00	100.00
	MTNL CDMA	1.63	1.20	98.71	0.31	0.31	1.71	1.20	99.00	0	0.02	0.00	100.00	100.00	98.55	98.04	100.00	100.00
	MTNL GSM	0.34	1.84	97.26	0.29	1.77	1.70	2.69	97.72	0	0.08	0.01	100.00	100.00	98.90	91.80	100.00	100.00
	RCOM CDMA	0.14	0.10	98.91	0.00	0.14	0.38	0.09	99.62	0	0.09	0.10	100.00	100.00	99.42	92.70	100.00	100.00
	RCOM GSM	0.24	0.34	99.64	0.03	0.06	0.47	0.04	99.17	0	0.10	0.10	100.00	100.00	97.41	88.35	100.00	100.00
	TATA CDMA	0.01	0.00	99.03	0.00	0.01	0.50	0.67	97.50	0	NR	NR	NR	NR	NR	NR	NR	NR
	Vodafone	0.01	0.00	99.99	0.21	0.74	0.87	2.81	97.77	0	0.03	0.03	100.00	100.00	100.00	96.81	100.00	100.00
GJ	BSNL	0.97	1.47	99.00	0.20	1.33	1.70	2.10	100.00	1	0.00	0.00	100.00	100.00	100.00	92.00	100.00	100.00
	Idea	0.05	0.02	99.30	0.15	0.29	0.98	1.70	95.65	0	0.03	0.00	100.00	100.00	98.45	98.07	100.00	100.00
	MTS	0.06	0.00	99.48	0.00	0.00	0.24	1.37	99.95	0	0.00	0.00	100.00	100.00	98.72	91.10	100.00	100.00
	Videocon	0.10	0.00	99.26	0.03	0.07	0.51	0.50	98.77	0	0.00	0.03	100.00	100.00	96.49	92.00	0.00	0.00
	Aircel	0.05	0.00	99.14	0.02	0.02	0.24	0.63	98.41	0	0.02	0.29	100.00	100.00	100.00	90.00	100.00	100.00
	Airtel	0.08	0.06	99.24	0.06	0.29	0.94	1.32	98.33	0	0.00	0.00	100.00	100.00	100.00	92.25	100.00	100.00
	RCOM CDMA	0.13	0.15	99.37	0.00	0.02	0.13	0.07	99.69	0	0.10	0.08	100.00	100.00	98.19	95.33	100.00	100.00
	RCOM GSM	0.11	0.18	99.75	0.02	0.02	0.34	0.04	98.96	0	0.10	0.10	100.00	100.00	98.77	93.95	100.00	100.00
	TATA CDMA	0.00	0.00	98.69	0.00	0.22	0.74	1.25	99.08	0	NR	NR	NR	NR	NR	NR	NR	NR
	TATA GSM	0.01	0.00	98.21	0.02	0.09	0.84	1.65	97.45	0	NR	NR	NR	NR	NR	NR	NR	NR
Uninor	0.03	0.00	97.10	0.17	0.35	1.39	1.77	97.13	0	0.00	0.04	100.00	0.00	95.44	92.03	0.00	0.00	
Vodafone	0.08	0.26	98.74	0.50	0.37	0.78	0.85	97.63	0	0.07	0.02	100.00	100.00	100.00	94.48	100.00	100.00	
HP	Aircel	0.10	0.10	98.39	0.02	0.29	0.95	9.38	95.77	0	0.00	0.01	100.00	100.00	100.00	71.00	100.00	100.00
	Airtel	0.01	0.00	99.25	0.06	0.09	0.77	2.10	98.89	0	0.00	0.00	100.00	100.00	99.00	93.23	100.00	100.00
	BSNL	1.90	1.87	96.33	0.77	1.87	1.83	2.90	95.53	0	0.10	0.00	100.00	100.00	100.00	97.00	100.00	100.00
	Idea	0.14	0.00	98.66	0.13	0.66	1.10	2.79	95.22	0	0.00	0.00	100.00	100.00	99.36	97.16	100.00	100.00
	MTS	0.09	0.00	98.55	0.00	0.00	0.53	0.00	99.33	0	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00
	RCOM CDMA	0.13	0.00	99.26	0.00	0.04	0.12	0.09	99.71	0	0.07	0.03	100.00	100.00	99.71	96.21	100.00	100.00
	RTL	0.19	0.14	99.07	0.02	0.04	0.56	0.12	98.73	0	0.08	0.06	100.00	100.00	98.97	88.56	100.00	100.00
	TATA CDMA	0.01	0.00	98.80	0.00	0.17	0.22	0.58	99.54	0	NR	NR	NR	NR	NR	NR	NR	NR
	TATA GSM*	4.56	16.67	97.85	0.03	0.02	3.92	61.11	98.86	0	NR	NR	NR	NR	NR	NR	NR	NR
	Uninor	1.22	0.00	99.04	0.19	0.29	0.59	1.57	97.70	0	0.00	0.00	100.00	0.00	96.18	99.56	0.00	0.00
Videocon	0.50	0.00	99.37	0.05	0.00	0.82	0.00	98.13	0	0.00	0.00	100.00	100.00	97.67	97.00	0.00	0.00	
Vodafone	0.98	0.00	99.04	0.25	0.96	0.95	2.68	96.71	0	0.40	0.02	100.00	100.00	100.00	97.12	100.00	100.00	

### Annexure 4.1 (Contd.)

HR	Aircel	0.08	0.00	97.80	0.04	0.01	0.68	1.13	98.29	0	0.03	0.04	100.00	100.00	100.00	68.00	100.00	100.00
	Airtel	0.05	0.00	99.56	0.07	0.07	0.46	0.71	98.95	0	0.00	0.00	100.00	100.00	100.00	95.17	100.00	100.00
	BSNL	1.53	1.47	97.00	0.23	0.43	1.83	2.63	95.50	0	0.00	0.00	100.00	100.00	100.00	100.00	100.00	100.00
	Idea	0.15	0.00	99.51	0.38	0.48	0.61	1.59	97.74	0	0.07	0.00	100.00	100.00	99.07	97.50	100.00	100.00
	MTS	0.32	0.34	99.31	0.03	0.08	0.36	1.31	99.62	0	0.00	0.00	100.00	100.00	99.00	95.93	100.00	0.00
	RCOM CDMA	0.09	0.04	99.16	0.00	0.08	0.06	0.11	99.68	0	0.10	0.05	100.00	100.00	99.61	91.08	100.00	100.00
	RCOM GSM	0.08	0.03	99.82	0.01	0.01	0.35	0.04	99.36	0	0.10	0.04	100.00	100.00	99.40	92.26	100.00	100.00
	TATA CDMA	0.07	0.06	99.13	0.00	0.27	0.56	2.19	97.43	0	NR	NR	NR	NR	NR	NR	NR	NR
	TATA GSM	0.07	0.08	98.95	0.03	0.25	0.55	0.66	97.38	0	NR	NR	NR	NR	NR	NR	NR	NR
	Uninor	0.94	0.00	98.58	0.05	0.17	0.39	0.34	98.47	0	0.00	0.00	100.00	0.00	97.55	99.72	0.00	0.00
Videcon	0.07	0.03	97.64	0.10	0.16	0.68	1.88	98.06	0	0.00	0.05	100.00	100.00	95.00	96.00	0.00	0.00	
Vodafone	0.07	0.12	98.84	0.32	0.39	0.74	0.92	97.74	0	0.01	0.01	100.00	100.00	100.00	98.50	100.00	100.00	
J & K	MTS	0.34	0.00	99.26	0.00	0.00	0.00	0.00	99.99	0	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00
	Aircel	1.19	9.12	96.26	0.48	1.92	1.28	3.29	95.33	0	0.01	0.02	100.00	100.00	100.00	87.00	100.00	100.00
	Airtel	0.04	0.03	99.27	0.07	0.08	0.70	1.37	98.85	0	0.00	0.00	100.00	100.00	100.00	89.13	100.00	100.00
	Idea	0.25	0.81	99.18	0.27	0.51	1.25	2.79	95.96	0	0.04	0.01	100.00	100.00	92.28	93.14	100.00	100.00
	RCOM GSM	0.38	0.95	99.47	0.03	0.08	0.52	0.12	98.59	0	0.10	0.10	100.00	100.00	99.32	95.86	100.00	100.00
	TATA CDMA	0.06	0.00	99.15	0.00	0.29	0.95	2.47	99.04	0	NR	NR	NR	NR	NR	NR	NR	NR
	Uninor	1.06	0.00	99.04	0.42	0.67	0.60	0.85	98.73	0	0.00	0.00	100.00	0.00	97.98	99.73	0.00	0.00
Vodafone	0.02	0.03	99.02	0.10	0.54	0.96	2.78	97.18	0	0.07	0.05	100.00	100.00	100.00	98.10	100.00	100.00	
KOL	BSNL	1.83	1.83	98.00	0.90	1.90	2.00	2.73	98.00	0	0.00	0.10	100.00	100.00	100.00	81.00	100.00	100.00
	Aircel	0.38	1.94	97.72	0.36	0.08	0.64	1.28	97.53	1	0.07	0.09	100.24	100.00	100.00	81.00	100.00	100.00
	Airtel	0.01	0.00	99.86	0.02	0.02	0.49	0.09	99.06	0	0.00	0.00	100.00	100.00	100.00	91.00	100.00	100.00
	BSNL	1.00	1.90	99.00	0.60	0.70	0.80	4.20	99.80	0	0.00	0.10	100.00	100.00	100.00	97.00	100.00	100.00
	Idea	0.26	0.58	98.48	0.28	0.48	0.91	0.49	97.48	0	0.05	0.01	100.00	100.00	98.60	89.53	100.00	100.00
	MTS	0.00	0.00	99.57	0.00	0.03	0.58	0.72	99.17	0	0.00	0.05	100.00	100.00	100.00	90.39	100.00	0.00
	RCOM CDMA	0.09	0.00	99.17	0.00	0.04	0.13	0.20	99.61	0	0.10	0.09	100.00	100.00	99.75	95.04	100.00	100.00
	RTL	0.12	0.10	99.28	0.01	0.07	0.58	0.14	98.88	0	0.10	0.09	100.00	100.00	98.79	95.15	100.00	100.00
	TATA CDMA	0.06	0.00	98.71	0.00	0.07	0.88	1.35	97.73	0	NR	NR	NR	NR	NR	NR	NR	NR
	TATA GSM	0.00	0.00	98.46	0.09	0.10	0.83	0.96	97.07	0	NR	NR	NR	NR	NR	NR	NR	NR
	Uninor	0.46	1.73	99.13	0.13	0.05	1.34	1.66	97.30	0	0.00	0.04	100.00	0.00	95.64	98.26	0.00	0.00
	Videcon	0.35	0.80	99.49	0.04	0.00	0.07	0.00	99.02	0	0.00	0.00	100.00	100.00	100.00	96.00	0.00	0.00
	Vodafone	0.09	0.39	99.54	0.25	0.46	0.70	0.68	98.28	0	0.01	0.02	100.00	100.00	100.00	95.86	100.00	100.00
	KR	Aircel	0.03	0.09	99.55	0.08	0.03	0.71	1.03	97.82	0	0.22	0.02	100.00	100.00	100.00	50.00	100.00
Airtel		0.01	0.00	99.88	0.01	0.01	0.14	0.51	99.92	0	0.00	0.00	100.00	100.00	100.00	79.71	100.00	100.00
BSNL		0.77	1.30	98.00	0.33	1.87	0.57	1.90	99.90	0	0.00	0.00	100.00	100.00	100.00	97.20	100.00	100.00
Idea		0.06	0.05	99.94	0.21	0.61	0.60	1.42	95.63	0	0.01	0.00	100.00	100.00	99.50	87.90	100.00	100.00
MTS		0.06	0.00	99.04	0.00	0.00	0.30	1.97	100.00	0	0.00	0.02	100.00	100.00	99.00	93.48	0.00	0.00
RCOM CDMA		0.03	0.00	99.36	0.00	0.02	0.10	0.11	99.62	0	0.10	0.02	100.00	100.00	98.73	94.97	100.00	100.00
RCOM GSM		0.02	0.00	99.93	0.00	0.01	0.04	0.03	99.33	0	0.10	0.03	100.00	100.00	99.16	92.13	100.00	100.00
TATA CDMA		0.02	0.00	98.81	0.00	0.02	0.71	0.75	99.13	0	NR	NR	NR	NR	NR	NR	NR	NR
TATA GSM		0.01	0.00	98.74	0.12	0.04	0.73	1.25	97.71	0	NR	NR	NR	NR	NR	NR	NR	NR
Uninor		0.06	0.03	99.15	0.54	0.10	1.14	1.18	97.08	0	0.00	0.03	100.00	0.00	98.10	98.15	0.00	0.00
Videcon		0.02	0.40	98.84	0.06	0.01	0.08	0.00	99.03	0	0.00	0.00	100.00	100.00	99.07	92.00	0.00	0.00
Vodafone		0.02	0.00	98.53	0.30	0.84	0.67	1.11	96.93	0	0.27	0.01	100.00	100.00	100.00	95.92	100.00	100.00

## Annexure 4.1 (Contd.)

KTK	Aircel	0.08	0.08	99.56	0.03	0.02	0.67	1.35	98.61	0	0.06	<b>0.16</b>	100.00	100.00	100.00	<b>71.00</b>	<b>98.99</b>	100.00	
	Airtel	0.20	0.40	99.59	0.04	0.04	0.19	0.95	99.32	0	0.00	0.00	100.00	100.00	100.00	<b>86.77</b>	100.00	100.00	
	BSNL	0.53	1.97	99.00	0.30	1.17	1.17	<b>3.03</b>	98.70	0	0.10	0.00	100.00	100.00	98.00	93.50	100.00	100.00	
	Idea	0.06	0.26	98.22	0.15	0.64	1.15	1.35	97.12	0	<b>0.17</b>	<b>0.02</b>	100.00	100.00	98.97	97.19	<b>98.54</b>	100.00	
	MTS	0.15	0.20	99.10	0.00	0.34	0.54	0.54	98.54	0	0.08	0.02	100.00	100.00	96.00	90.00	100.00	100.00	
	RCOM CDMA	0.18	0.35	99.07	0.00	0.03	0.11	0.10	99.67	0	0.09	0.04	100.00	100.00	97.58	<b>84.70</b>	100.00	100.00	
	RCOM GSM	0.19	0.23	99.75	0.01	0.02	0.36	0.04	99.22	0	0.10	0.10	100.00	100.00	99.31	<b>80.37</b>	100.00	100.00	
	TATA CDMA	0.04	0.00	98.98	0.00	0.02	0.27	0.06	98.82	0	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>
	TATA GSM	0.08	0.06	98.66	0.07	0.26	0.69	2.74	98.43	0	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>
	Uninor	0.06	0.00	99.14	0.05	0.06	1.23	1.54	98.33	0	0.00	0.01	100.00	0.00	95.49	93.67	0.00	0.00	
	Videcon	0.22	0.00	98.66	0.42	0.00	0.56	0.00	98.33	0	0.00	0.00	100.00	100.00	100.00	96.00	0.00	0.00	
	Vodafone	0.17	0.88	99.08	0.14	0.56	0.72	2.75	98.62	0	0.08	0.05	100.00	100.00	100.00	96.33	100.00	100.00	
MB	Idea	0.02	0.00	99.21	0.08	0.29	1.65	2.80	98.67	0	0.04	0.07	100.00	100.00	98.45	94.70	<b>99.98</b>	100.00	
	MTS	0.08	0.00	99.28	0.00	0.00	0.34	2.11	100.00	0	0.00	0.00	100.00	100.00	95.00	91.00	100.00	100.00	
	Aircel	0.01	0.00	98.24	0.01	0.01	0.70	1.66	97.61	0	0.03	0.10	100.00	100.00	100.00	<b>71.00</b>	100.00	100.00	
	Airtel	0.00	0.00	99.99	0.00	0.01	0.42	0.00	99.73	0	0.00	0.00	100.00	100.00	100.00	91.95	100.00	100.00	
	Loop Mobile	0.04	0.08	99.23	0.04	0.01	0.50	0.34	98.27	0	<b>0.12</b>	<b>0.26</b>	100.00	100.00	98.97	98.28	100.00	100.00	
	MTNL CDMA	0.40	0.18	97.67	0.51	0.01	1.19	0.41	96.80	0	0.08	0.04	100.00	100.00	98.10	91.27	100.00	100.00	
	MTNL GSM	0.50	1.23	97.88	0.03	0.02	0.69	1.87	97.32	0	0.09	0.00	100.00	100.00	95.46	95.11	100.00	100.00	
	RCOM CDMA	0.29	0.48	99.19	0.00	0.07	0.34	0.22	99.65	0	0.10	0.09	100.00	100.00	99.41	93.88	100.00	100.00	
	RCOM GSM	0.30	0.42	99.72	0.02	0.02	0.44	0.03	99.18	0	0.10	0.10	100.00	100.00	99.52	92.45	100.00	100.00	
	TATA CDMA	0.05	0.35	99.12	0.00	0.03	0.55	0.94	96.94	0	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	
	TATA GSM	0.01	0.00	99.68	0.06	0.06	0.54	2.01	97.22	0	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	
	Uninor	0.03	0.16	99.20	0.05	0.05	1.46	1.84	98.07	0	0.00	0.02	100.00	0.00	95.43	97.61	0.00	0.00	
Videcon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.01	100.00	100.00	95.72	91.00	0.00	0.00		
Vodafone	0.02	0.06	99.72	0.09	0.42	0.73	2.50	97.79	0	0.09	0.03	100.00	100.00	100.00	95.28	100.00	100.00		
MH	Aircel	0.04	0.03	99.65	0.02	0.06	0.60	1.77	98.40	0	0.05	0.02	100.00	100.00	100.00	<b>63.00</b>	<b>80.31</b>	100.00	
	Airtel	0.02	0.02	99.52	0.02	0.03	0.47	0.65	99.51	0	0.00	0.00	100.00	100.00	100.00	<b>76.58</b>	100.00	100.00	
	BSNL	1.63	1.90	95.67	0.70	1.83	1.90	<b>3.60</b>	97.90	0	0.04	0.10	100.00	100.00	100.00	96.72	100.00	100.00	
	Idea	0.50	1.70	98.06	0.83	1.34	1.23	2.67	97.42	0	0.06	0.02	100.00	100.00	99.11	95.20	100.00	100.00	
	MTS	0.28	0.00	98.78	0.00	0.11	0.37	2.63	100.00	0	0.00	0.00	100.00	100.00	97.00	93.00	100.00	100.00	
	RCOM CDMA	0.37	1.10	98.83	0.00	0.10	0.29	0.21	99.60	0	0.10	0.05	100.00	100.00	99.39	<b>89.19</b>	100.00	100.00	
	RCOM GSM	0.40	1.17	99.52	0.05	0.05	0.47	0.08	98.92	0	0.10	0.10	100.00	100.00	98.79	<b>88.85</b>	100.00	100.00	
	TATA CDMA	0.04	0.07	98.57	0.00	0.66	1.08	2.44	96.46	0	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	
	TATA GSM	0.01	0.00	99.28	0.12	0.16	0.80	2.83	96.90	0	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	
	Uninor	0.21	1.13	97.21	0.26	0.55	1.29	2.17	97.09	2	0.00	0.07	100.00	0.00	95.64	90.52	0.00	0.00	
	Videcon	0.55	0.00	98.93	0.09	0.00	0.26	0.00	99.87	0	0.00	0.00	100.00	100.00	100.00	96.00	0.00	0.00	
	Vodafone	0.20	0.59	97.37	0.81	1.20	0.87	2.43	97.43	0	0.06	0.03	100.00	100.00	100.00	94.65	100.00	100.00	
MP	Aircel	0.96	1.56	99.53	0.02	0.03	0.56	2.25	99.13	0	0.04	<b>0.20</b>	100.00	100.00	100.00	<b>23.00</b>	100.00	100.00	
	Airtel	0.13	0.25	98.90	0.20	0.14	0.94	1.17	97.25	0	0.00	0.00	100.00	100.00	100.00	<b>86.38</b>	100.00	100.00	
	BSNL	1.22	1.75	97.00	0.92	1.70	1.98	<b>3.55</b>	97.80	0	0.05	0.05	100.00	100.00	99.00	95.00	100.00	100.00	
	Idea	0.57	0.39	98.96	0.10	0.33	0.59	2.22	99.08	0	0.05	0.00	100.00	100.00	96.31	95.68	100.00	100.00	
	MTS	0.63	0.00	99.01	0.00	0.04	0.40	2.32	98.38	0	0.00	0.00	0.00	0.00	NA	100.00	0.00	0.00	
	RCOM CDMA	0.34	0.91	99.09	0.00	0.04	0.09	0.15	99.65	0	0.10	0.08	100.00	100.00	98.44	96.38	100.00	100.00	
	RTL	0.21	0.34	98.89	0.06	0.33	0.55	0.80	98.66	0	0.10	0.09	100.00	100.00	98.92	92.80	100.00	100.00	
	TATA CDMA	0.03	0.00	98.83	0.00	0.06	0.64	0.69	99.29	0	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	
	TATA GSM	0.00	0.00	98.37	0.16	0.10	0.83	1.01	97.23	0	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	
	Uninor	0.81	0.46	99.28	0.13	0.20	0.40	1.83	99.29	0	0.00	0.00	100.00	0.00	96.17	99.80	0.00	0.00	
	Videcon	0.28	0.72	98.92	0.10	0.24	0.78	1.53	98.08	0	0.00	0.03	100.00	100.00	96.38	92.00	0.00	0.00	
	Vodafone	0.09	0.43	97.82	0.26	1.49	1.07	1.44	97.90	0	0.08	0.04	100.00	100.00	100.00	93.36	100.00	100.00	
NE	Aircel	0.70	1.95	97.66	0.75	1.32	1.54	<b>3.95</b>	95.34	0	0.02	0.02	100.00	100.00	100.00	92.00	100.00	100.00	
	Airtel	0.37	0.68	98.75	0.25	0.63	1.03	1.34	98.93	0	0.00	0.00	100.00	100.00	100.00	93.07	100.00	100.00	
	BSNL	<b>2.10</b>	<b>5.15</b>	97.00	<b>1.25</b>	2.00	<b>2.07</b>	<b>5.88</b>	96.60	0	0.05	0.05	<b>75.50</b>	100.00	98.50	92.00	100.00	100.00	
	Idea	1.25	1.83	96.75	0.69	1.60	1.63	2.69	95.44	0	0.00	0.00	100.00	100.00	97.98	90.77	100.00	<b>88.89</b>	
	MTS	1.19	0.00	98.21	0.00	0.00	0.43	0.71	99.63	0	0.00	0.00	0.00	0.00	100.00	100.00	0.00	0.00	
	RTL	0.40	0.98	98.72	0.05	0.43	0.53	0.03	98.81	0	0.05	0.05	100.00	100.00	98.70	93.79	100.00	100.00	
	TATA CDMA	0.31	0.00	98.76	0.00	0.29	0.26	0.55	99.69	0	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	
	Uninor	0.80	0.33	99.96	0.06	0.02	1.14	2.14	97.82	0	0.00	0.00	100.00	0.00	98.43	99.33	0.00	0.00	
Vodafone	1.26	1.55	97.71	0.53	1.20	0.93	2.93	97.07	0	0.06	0.01	100.00	100.00	100.00	90.57	100.00	100.00		

### Annexure 4.1 (Contd.)

OR	Aircel	0.82	<b>6.72</b>	98.68	0.78	0.95	1.34	<b>3.22</b>	95.94	0	0.04	0.00	100.00	100.00	100.00	<b>81.00</b>	100.00	100.00	
	Airtel	0.11	0.54	99.62	0.03	0.11	0.50	1.15	99.09	0	0.00	0.00	100.00	100.00	100.00	96.23	100.00	100.00	
	Idea	0.59	0.31	99.02	0.12	0.44	0.44	1.89	97.12	0	0.04	0.00	100.00	100.00	98.85	94.73	100.00	<b>91.67</b>	
	MTS	0.47	0.00	98.62	0.00	0.00	1.44	0.60	97.86	0	0.00	0.00	0.00	0.00	100.00	90.00	0.00	0.00	
	RCOM CDMA	0.32	0.27	99.37	0.00	0.01	0.13	0.22	99.62	0	0.10	0.06	100.00	100.00	98.03	94.74	100.00	100.00	
	RTL	0.05	0.00	98.89	0.40	0.36	0.45	0.79	98.84	0	0.10	0.08	100.00	100.00	98.22	94.75	100.00	100.00	
	TATA CDMA	0.06	0.00	98.49	0.00	0.22	0.57	0.92	99.13	0	NR	NR	NR	NR	NR	NR	NR	NR	NR
	TATA GSM	0.02	0.10	99.13	0.14	0.05	0.52	1.15	97.86	0	NR	NR	NR	NR	NR	NR	NR	NR	NR
	Uninor	0.47	0.49	97.40	0.49	1.55	1.82	1.83	96.65	0	0.00	0.00	100.00	0.00	96.21	97.91	0.00	0.00	
	Videocon	0.69	0.00	99.31	0.33	0.00	0.80	0.00	99.04	0	0.00	0.00	100.00	100.00	100.00	96.00	0.00	0.00	
	Vodafone	0.12	0.11	98.18	0.36	1.14	0.94	1.32	98.50	0	0.05	0.03	100.00	100.00	100.00	98.89	100.00	100.00	
	BSNL	0.73	0.63	97.33	0.90	1.73	1.90	2.90	98.33	0	0.01	0.03	100.00	100.00	98.93	92.80	100.00	100.00	
	PB	Aircel	0.03	0.00	98.15	0.02	0.04	0.58	1.19	97.26	0	0.07	0.01	100.00	100.00	100.00	<b>42.00</b>	100.00	100.00
Airtel		0.05	0.03	99.27	0.05	0.14	0.58	1.10	99.02	0	0.00	0.00	100.00	100.00	100.00	92.60	100.00	100.00	
Idea		0.05	0.01	97.73	0.29	0.94	0.99	1.42	98.00	0	0.05	0.00	100.00	100.00	99.08	93.12	100.00	100.00	
MTS		0.22	0.00	99.83	0.00	0.00	0.26	1.73	99.29	0	0.00	0.00	0.00	0.00	0.00	97.00	0.00	0.00	
QTL CDMA		0.38	0	97.84	0.81	0.95	1.57	0.97	97.65	0	0.03	0.00	100.00	100.00	100.00	93.00	100.00	100.00	
QTL GSM		0.09	0.08	97.51	0.06	0.15	0.81	1.28	97.82	0	0.00	0.01	100.00	100.00	98.54	97.00	0.00	0.00	
RCOM CDMA		0.09	0.00	99.14	0.00	0.02	0.07	0.08	99.64	0	0.10	0.03	100.00	100.00	98.55	92.68	100.00	100.00	
RCOM GSM		0.08	0.00	99.76	0.06	0.02	0.36	0.06	99.38	0	0.10	0.05	100.00	100.00	99.35	<b>86.76</b>	100.00	100.00	
TATA CDMA		0.04	0.05	98.66	0.00	0.16	0.84	2.17	99.68	0	NR	NR	NR	NR	NR	NR	NR	NR	
TATA GSM		0.07	0.14	99.21	0.01	0.11	0.50	0.81	97.25	0	NR	NR	NR	NR	NR	NR	NR	NR	
Uninor		1.13	0.00	99.01	0.12	0.20	0.35	0.53	98.22	0	0.00	0.00	100.00	0.00	95.79	99.78	0.00	0.00	
Vodafone		0.06	0.08	99.06	0.09	0.27	0.66	1.38	97.75	0	0.08	0.02	100.00	100.00	100.00	98.19	100.00	100.00	
BSNL		0.33	1.70	97.67	1.00	1.53	1.97	<b>5.70</b>	95.93	0	0.00	0.00	100.00	100.00	100.00	<b>77.00</b>	100.00	100.00	
RAJ	Aircel	0.06	0.12	96.81	0.07	0.30	0.70	0.72	96.99	0	0.04	0.06	100.00	100.00	100.00	<b>67.00</b>	100.00	100.00	
	Airtel	0.10	0.21	99.33	0.22	0.33	1.14	2.23	98.93	0	0.00	0.00	100.00	100.00	100.00	<b>73.19</b>	100.00	100.00	
	BSNL	1.80	2.00	99.00	0.20	0.80	1.40	3.00	98.50	0	0.10	0.10	100.00	100.00	98.00	91.00	100.00	100.00	
	RCOM CDMA	0.40	1.23	98.85	0.00	0.05	0.12	0.05	99.62	0	0.10	0.09	100.00	100.00	99.39	94.64	100.00	100.00	
	RCOM GSM	0.35	0.66	99.72	0.01	0.03	0.36	0.04	99.18	0	0.10	0.10	100.00	100.00	98.23	91.03	100.00	100.00	
	TATA CDMA	0.02	0.00	98.88	0.00	0.18	0.58	2.63	99.32	0	NR	NR	NR	NR	NR	NR	NR	NR	
	TATA GSM	0.01	0.00	97.96	0.05	0.05	0.84	1.45	97.96	0	NR	NR	NR	NR	NR	NR	NR	NR	
	Uninor	1.19	1.03	98.37	0.03	0.06	0.29	2.08	98.46	0	0.00	0.00	100.00	0.00	98.11	99.62	0.00	0.00	
	Vodafone	0.12	0.76	98.98	0.36	0.26	0.83	1.32	97.51	0	0.09	0.04	100.00	100.00	100.00	95.68	100.00	100.00	
	Idea	0.11	0.12	98.58	0.34	0.72	1.33	2.51	96.24	0	0.04	0.03	100.00	100.00	99.35	96.40	100.00	100.00	
	MTS	0.10	0.00	99.20	0.00	0.42	0.53	1.40	98.69	0	0.06	0.00	100.00	100.00	97.00	90.50	100.00	100.00	
	Videocon	0.64	0.00	99.23	0.40	0.15	0.47	0.00	99.26	0	0.00	0.00	100.00	100.00	100.00	96.00	0.00	0.00	
	TN	Aircel	1.46	0.75	98.24	0.73	1.32	0.54	1.75	95.30	0	0.02	0.06	<b>97.79</b>	100.00	100.00	<b>83.00</b>	100.00	100.00
Airtel		0.01	0.01	99.83	0.03	0.01	0.14	0.48	99.43	0	0.00	0.00	100.00	100.00	95.00	<b>48.81</b>	100.00	100.00	
BSNL		0.47	1.87	98.33	0.10	0.33	1.10	<b>3.97</b>	99.00	0	0.00	0.00	100.00	100.00	100.00	92.00	100.00	100.00	
Idea		0.01	0.00	99.63	0.04	0.05	0.39	0.77	98.00	0	0.08	0.01	100.00	100.00	98.76	95.04	100.00	100.00	
RCOM CDMA		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.09	0.02	100.00	100.00	97.29	92.76	100.00	100.00	
RCOM GSM		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.10	0.06	100.00	100.00	98.50	<b>87.09</b>	100.00	100.00	
TATA CDMA		0.03	0.00	98.82	0.00	0.19	0.85	1.50	98.95	0	NR	NR	NR	NR	NR	NR	NR	NR	
TATA GSM		0.03	0.06	98.51	0.04	0.05	0.56	0.78	98.06	0	NR	NR	NR	NR	NR	NR	NR	NR	
Uninor		0.03	0.00	99.12	0.36	0.06	1.26	1.82	98.71	1	0.00	0.01	100.00	0.00	95.70	95.31	0.00	0.00	
Videocon		0.27	1.28	98.73	0.07	0.03	0.62	1.08	98.22	0	0.00	0.04	100.00	100.00	97.95	91.00	0.00	0.00	
Vodafone		0.07	0.29	98.32	0.38	1.00	0.78	2.23	97.43	0	0.02	0.01	100.00	100.00	100.00	94.57	100.00	100.00	
MTS		0.10	0.00	99.32	0.00	0.00	0.48	2.03	99.48	0	0.00	0.00	100.00	100.00	100.00	91.10	0.00	0.00	

### Annexure 4.1 (Contd.)

UPE	Aircel	0.31	1.86	98.84	0.46	0.95	0.46	2.04	96.69	0	0.05	0.02	100.00	100.00	100.00	20.00	100.00	100.00	
	Airtel	0.23	0.54	99.56	0.08	0.25	0.95	2.76	98.57	0	0.00	0.00	100.00	100.00	95.00	87.07	100.00	100.00	
	BSNL	1.05	1.80	97.00	0.73	1.67	1.57	2.73	97.33	0	0.08	0.08	100.00	100.00	97.00	98.00	100.00	100.00	
	Idea	0.21	0.58	99.93	0.87	1.45	0.95	2.76	96.76	0	0.08	0.01	100.00	100.00	93.56	93.52	100.00	100.00	
	MTS	0.25	0.00	99.59	0.00	0.00	0.51	0.38	99.99	0	0.00	0.00	100.00	100.00	96.00	95.91	0.00	0.00	
	RCOM CDMA	0.39	0.99	98.32	0.00	0.15	0.14	0.23	99.55	0	0.10	0.10	100.00	100.00	98.60	88.74	100.00	100.00	
	RCOM GSM	0.37	0.95	99.19	0.06	0.10	0.60	0.05	98.55	0	0.10	0.10	100.00	100.00	99.22	90.25	100.00	100.00	
	TATA CDMA	0.06	0.00	98.51	0.00	0.11	0.80	2.71	98.95	0	NR	NR	NR	NR	NR	NR	NR	NR	NR
	TATA GSM	0.04	0.01	97.86	0.17	0.74	1.00	6.00	96.79	0	NR	NR	NR	NR	NR	NR	NR	NR	NR
	Uninor	1.59	1.22	95.53	0.79	1.91	1.53	2.29	95.76	0	0.00	0.05	100.00	0.00	95.35	94.70	0.00	0.00	
Vodafone	0.30	1.47	96.71	0.88	1.13	1.18	2.51	96.34	0	0.10	0.04	100.00	100.00	100.00	96.99	100.00	100.00		
Videocon	0.52	0.00	98.52	0.10	0.21	0.17	0.00	97.91	0	0.00	0.00	100.00	100.00	100.00	96.00	0.00	0.00		
UPW	Aircel	0.53	1.75	98.47	0.30	0.68	0.70	2.84	97.36	0	0.15	0.00	100.00	100.00	100.00	37.00	100.00	100.00	
	Airtel	0.06	0.02	99.50	0.09	0.21	0.41	0.52	99.44	0	0.00	0.00	100.00	100.00	100.00	88.70	100.00	100.00	
	BSNL	1.10	6.92	97.00	0.93	1.70	2.20	7.68	97.22	0	0.00	0.00	100.00	100.00	100.00	98.00	100.00	100.00	
	Idea	0.09	0.25	99.76	0.95	1.06	0.95	2.88	99.88	0	0.06	0.00	100.00	100.00	99.13	95.90	100.00	100.00	
	MTS	0.22	0.00	99.32	0.00	0.00	0.42	1.23	99.57	0	0.00	0.00	100.00	100.00	96.00	95.63	0.00	0.00	
	RCOM CDMA	0.27	0.43	98.71	0.00	0.13	0.11	0.28	99.65	0	0.09	0.10	100.00	100.00	97.86	94.89	100.00	100.00	
	RCOM GSM	0.30	0.72	99.49	0.06	0.07	0.49	0.09	98.89	0	0.10	0.10	100.00	100.00	98.90	95.34	100.00	100.00	
	TATA CDMA	0.03	0.00	98.84	0.00	0.24	0.60	0.72	98.40	0	NR	NR	NR	NR	NR	NR	NR	NR	
	TATA GSM	0.06	0.02	98.56	0.10	0.36	0.77	2.55	97.33	0	NR	NR	NR	NR	NR	NR	NR	NR	
	Uninor	0.94	1.77	97.41	0.26	1.90	1.17	2.02	95.80	0	0.00	0.18	100.00	0.00	96.44	88.04	0.00	0.00	
Vodafone	0.34	1.60	97.50	0.83	1.16	1.12	2.48	96.78	0	0.04	0.01	100.00	100.00	100.00	97.60	100.00	100.00		
Videocon	0.31	0.00	98.89	0.13	0.34	0.31	0.00	97.97	0	0.00	0.00	100.00	100.00	100.00	96.00	0.00	0.00		
WB	Aircel	1.71	2.77	96.95	0.62	1.02	1.67	5.34	95.45	0	0.00	0.10	100.00	100.00	100.00	60.00	100.00	100.00	
	Airtel	0.04	0.10	99.60	0.06	0.08	0.50	0.82	99.50	0	0.00	0.00	100.00	100.00	100.00	91.32	100.00	100.00	
	BSNL	1.95	2.15	97.50	0.63	0.95	1.20	4.42	96.92	0	0.05	0.06	100.00	100.00	100.00	99.12	100.00	100.00	
	Idea	0.66	0.61	96.74	0.69	1.56	1.18	2.62	97.20	0	0.05	0.01	100.00	100.00	98.40	91.06	100.00	100.00	
	MTS	0.16	0.41	99.17	0.00	0.31	0.92	2.38	98.86	0	0.00	0.06	100.00	100.00	100.00	90.03	100.00	0.00	
	RCOM CDMA	0.24	0.46	98.48	0.00	0.08	0.12	0.16	99.51	0	0.10	0.09	100.00	100.00	99.45	95.04	100.00	100.00	
	RTL	0.13	0.38	98.93	0.03	0.25	0.64	0.68	98.75	0	0.10	0.10	100.00	100.00	98.98	92.86	100.00	100.00	
	TATA CDMA	0.06	0.00	98.47	0.00	0.13	0.79	2.46	99.04	0	NR	NR	NR	NR	NR	NR	NR	NR	
	TATA GSM	0.01	0.02	98.78	0.21	0.09	0.72	2.81	98.12	0	NR	NR	NR	NR	NR	NR	NR	NR	
	Uninor	1.50	1.59	97.50	0.29	1.86	1.47	1.47	96.74	0	0.00	0.00	100.00	0.00	95.57	96.23	0.00	0.00	
Videocon	0.54	0.00	98.80	0.50	0.28	1.26	0.00	98.68	0	0.00	0.00	100.00	100.00	100.00	96.00	0.00	0.00		
Vodafone	0.06	0.33	96.68	1.12	1.54	1.15	2.61	95.24	0	0.01	0.01	100.00	100.00	100.00	94.52	100.00	100.00		
Note:	RCOM GSM *	CH included in TN for customer related parameters and TN included in CH in network related parameters.																	
	TATA GSM*	HP=Data pertains for the month of June 2012 for the network related parameters only																	
	NR = Not Reported																		



## Annexure 4.2: Performance of QoS Parameters for Basic (Wire-line) Service

Sl. No.	Name of Service Area	Name of Service Provider	Faults incidences (No. of faults/100 Subs./month)	Fault Repair			Rent Rebate	Mean Time to Repair (MTTR)	Call Completion Rate (CCR)	Answer to Seizure Ratio	POI	Metering and Billing					Response time to the customer for Assistance		Termination / closure of service	
				% of faults repaired by next working day	% of faults repaired within 3 days	% of faults repaired within 5 days						Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark)	Metering and Billing creditibility - post paid	Metering and Billing creditibility - pre paid	Resolution of billing/charging/validity complaints	Period of applying credit/waiver/adjustment to customer's account from the date of resolution of	Accessibility of call centre/ customer care	Percentage of calls answered by the operators (voice to voice) within 60 seconds	%age requests for Termination / Closure of service complied within 7 days	Time taken for refund of deposits after closures
			≤ 5	By next working day: ≥ 90%	For urban areas: ≥ 100%	For rural and hilly areas: ≥ 100%	≤ 8 Hrs	≥ 55%	≥ 75 %	≤ 0.5%	≤ 0.1%	≤ 0.1%	100% within 4 weeks	1 week of resolution of complaint	≥ 95%	≥ 90%	100% within 7 days	100% within 60 days		
1	A&N	BSNL	2.24	89.78%	90.49%	98.33%		6.41	67.85%	NA	100.00%	NR	NA	NR	100.00%	100.00%	95.00%	97.79%	100.00%	
2	AP	Bharti	1.89	94.99%	100.00%	NA		3.07	93.95%	NA	0.00%	0.03%	NA	100.00%	100.00%	100.00%	94.67%	99.94%	100.00%	
3		BSNL	3.42	95.02%	99.19%	99.98%		7.47	70.59%	NA	100.00%	NR	NA	NR	100.00%	95.29%	91.00%	100.00%	100.00%	
4		RCOM	0.00	100.00%	100.00%	NA		NR	NR	86.28%	0.00%	0.01%	NA	NA	100.00%	96.00%	90.27%	100.00%	100.00%	
5		TTSL	3.34	92.75%	96.64%	97.29%		4.61	93.88%	NA	0.00%	0.06%	NA	100.00%	100.00%	99.50%	95.92%	100.00%	100.00%	
6		AS	BSNL	3.84	96.57%	99.90%	100.00%		3.43	70.27%	NA	100.00%	NR	NA	NR	100.00%	97.01%	97.33%	100.00%	100.00%
7		TTSL	0.49	100.00%	100.00%	100.00%		1.71	86.86%	NA	0.00%	0.04%	NA	100.00%	NA	98.88%	94.68%	NA	0.00%	
8	BR	BSNL	3.41	95.55%	98.21%	99.97%		6.67	72.14%	NA	100.00%	NR	NA	NR	100.00%	95.67%	96.67%	95.27%	100.00%	
9		RCOM	No Faults Register	NA	100.00%	NA		NR	NR	96.69%	0.00%	NIL	NA	NA	100.00%	96.00%	90.27%	No Request Received	100.00%	
10		TTSL	1.57	96.84%	97.89%	97.89%		3.86	83.78%	NA	0.00%	0.02%	NA	100.00%	NA	99.40%	95.84%	100.00%	0.00%	
11	CH	BSNL	2.79	97.90%	98.55%	99.37%		7.00	84.14%	NA	100.00%	NR	NA	NR	100.00%	95.97%	96.67%	100.00%	100.00%	
12		RCOM	0.00	100.00%	100.00%	NA		NR	NR	86.56%	0.00%	0.03%	NA	NA	100.00%	96.00%	90.27%	100.00%	100.00%	
13		TTSL	0.22	97.35%	100.00%	100.00%		6.55	99.04%	NA	0.00%	0.04%	NA	100.00%	100.00%	99.32%	96.15%	100.00%	100.00%	
14	CHATTI SGARH	BSNL	4.43	96.88%	99.08%	100.00%		5.86	69.29%	NA	100.00%	NR	NA	NR	100.00%	94.92%	55.00%	100.00%	100.00%	
15	DL	Bharti	1.58	96.18%	100.00%	NA		4.83	93.59%	NA	0.00%	0.02%	NA	100.00%	100.00%	98.48%	95.35%	99.95%	100.00%	
16		MTNL	7.28	86.63%	95.18%	NA	136670	7.02	55.43%	NR	0.00%	0.02%	NR	92.26%	*	99.71%	98.78%	92.82%	100.00%	
17		RCOM	0.00	100.00%	100.00%	NA		NR	NR	92.80%	0.00%	0.04%	NA	NA	100.00%	96.00%	90.27%	100.00%	100.00%	
18		TTSL	0.22	91.91%	97.11%	100.00%		4.91	99.00%	NA	0.00%	0.04%	NA	100.00%	100.00%	99.65%	96.44%	100.00%	0.00%	

**Annexure 4.2 (Contd.)**

19	GJ	Bharti	1.13	99.20%	100.00%	NA		2.77	91.25%	NA	0.00%	0.02%	NA	100.00%	100.00%	99.97%	92.49%	99.89%	100.00%
20		BSNL	4.94	93.77%	98.78%	99.87%		5.40	68.35%	NA	100.00%	NR	NA	NR	100.00%	100.00%	81.84%	100.00%	100.00%
21		RCOM	0.01	100.00%	100.00%	NA		NR	NR	85.31%	0.00%	0.03%	NA	NA	100.00%	96.00%	90.27%	100.00%	100.00%
22		TTSL	1.51	94.83%	99.33%	99.66%		5.45	59.52%	NA	0.00%	0.06%	NA	100.00%	100.00%	99.45%	96.34%	100.00%	100.00%
23	HP	BSNL	5.91	92.38%	97.05%	99.33%		6.84	69.85%	NA	100.00%	NR	NA	NR	100.00%	93.49%	84.33%	99.65%	100.00%
24		RCOM	No Faults Register	NA	100.00%	NA		NR	NR	80.25%	0.00%	NIL	NA	NA	100.00%	96.00%	90.27%	No Request Received	100.00%
25		TTSL	0.13	0.00%	0.00%	50.00%		46.75	Not launched	Not launched	Not launched	0.06%	NA	100.00%	NA	99.35%	94.79%	NA	0.00%
26	HR	Bharti	1.76	99.23%	100.00%	NA		3.73	94.74%	NA	0.00%	0.01%	NA	100.00%	100.00%	98.65%	96.65%	99.70%	100.00%
27		BSNL	4.55	98.31%	100.00%	100.00%		6.44	78.13%	NA	100.00%	NR	NA	NR	100.00%	93.64%	90.00%	100.00%	100.00%
28		RCOM	No Faults Register	NA	100.00%	NA		NR	NR	84.53%	0.00%	NIL	NA	NA	100.00%	96.00%	90.27%	No Request Received	100.00%
29		TTSL	0.07	86.67%	86.67%	86.67%		3.85	99.94%	NA	0.00%	0.02%	NA	100.00%	NA	99.26%	95.45%	100.00%	0.00%
30	J&K	BSNL	5.67	82.68%	89.87%	98.18%		6.82	68.27%	NA	100.00%	NR	NA	NR	100.00%	93.38%	94.67%	95.32%	100.00%
31		TTSL	0.00	NA	NA	NA		0.00	99.20%	NA	0.00%	0.00%	NA	NA	NA	99.80%	95.68%	NA	0.00%
32	JHAR	BSNL	2.98	96.02%	99.11%	100.00%		6.28	72.19%	NA	100.00%	NR	NA	NR	100.00%	96.34%	95.33%	100.00%	100.00%
33	KOL	Bharti	2.08	98.69%	100.00%	NA		4.47	98.58%	NA	0.00%	0.01%	NA	100.00%	100.00%	99.45%	94.73%	99.95%	100.00%
34		BSNL	9.46	46.17%	51.04%	0.00%		8.67	59.51%	NA	100.00%	NR	NA	NR	100.00%	97.23%	97.67%	33.69%	100.00%
35		RCOM	0.01	100.00%	100.00%	NA		NR	NR	87.21%	0.00%	0.06%	NA	NA	100.00%	96.00%	90.27%	100.00%	100.00%
36		TTSL	0.85	95.40%	100.00%	100.00%		4.72	94.36%	NA	0.00%	0.07%	NA	100.00%	100.00%	99.53%	95.54%	100.00%	100.00%
37	KR	Bharti	1.26	96.59%	100.00%	NA		2.69	93.59%	NA	0.00%	0.02%	NA	100.00%	100.00%	100.00%	96.83%	100.00%	100.00%
38		BSNL	6.98	73.51%	89.34%	89.31%		15.68	73.03%	NA	100.00%	NR	NA	NR	100.00%	95.85%	97.67%	90.31%	100.00%
39		RCOM	0.01	100.00%	100.00%	NA		NR	NR	82.30%	0.00%	0.02%	NA	NA	100.00%	96.00%	90.27%	100.00%	100.00%
40		TTSL	0.09	75.00%	75.00%	75.00%		22.88	98.47%	NA	0.00%	0.01%	NA	100.00%	100.00%	99.54%	96.21%	100.00%	0.00%

### Annexure 4.2 (Contd.)

41	KTK	Bharti	2.50	92.97%	100.00%	NA		3.40	93.71%	NA	0.00%	0.08%	NA	100.00%	100.00%	100.00%	93.00%	99.70%	100.00%
42		BSNL	4.09	94.14%	97.44%	93.64%		6.70	71.25%	NA	100.00%	NR	NA	NR	100.00%	97.00%	97.73%	100.00%	100.00%
43		RCOM	0.00	100.00%	100.00%	NA		NR	NR	82.94%	0.00%	0.02%	NA	NA	100.00%	96.00%	90.27%	100.00%	100.00%
44		TTSL	0.43	96.66%	99.02%	99.61%		3.66	84.05%	NA	0.00%	0.03%	NA	100.00%	100.00%	99.46%	95.52%	100.00%	0.00%
45	MH	Bharti	1.05	98.10%	100.00%	NA		2.69	92.19%	NA	0.00%	0.01%	NA	100.00%	100.00%	100.00%	92.48%	99.90%	100.00%
46		BSNL	6.35	74.39%	86.90%	98.41%		7.93	56.02%	NA	100.00%	NR	NA	NR	100.00%	95.20%	90.00%	98.87%	100.00%
47		RCOM	0.00	100.00%	100.00%	NA		NR	NR	87.23%	0.00%	0.03%	NA	NA	100.00%	96.00%	90.27%	100.00%	100.00%
48		TTSL	0.55	98.19%	100.00%	100.00%		4.18	98.27%	NA	0.00%	0.04%	NA	100.00%	100.00%	99.45%	96.06%	100.00%	100.00%
49	MP	Bharti	4.79	97.14%	100.00%	NA		3.29	87.54%	NA	0.00%	0.08%	NA	100.00%	100.00%	98.56%	93.18%	99.96%	100.00%
50		BSNL	3.22	96.96%	100.00%	100.00%		3.51	71.67%	NA	100.00%	NR	NA	NR	100.00%	96.50%	92.33%	100.00%	100.00%
51		RCOM	0.01	100.00%	100.00%	NA		NR	NR	88.46%	0.00%	0.05%	NA	NA	100.00%	96.00%	90.27%	100.00%	100.00%
52		TTSL	0.33	100.00%	100.00%	100.00%		4.89	100.00%	NA	0.00%	0.00%	NA	NA	100.00%	99.06%	95.63%	100.00%	0.00%
53	MUM	Bharti	0.77	96.12%	100.00%	NA		3.94	93.90%	NA	0.00%	0.01%	NA	100.00%	100.00%	99.97%	91.70%	99.96%	100.00%
54		MTNL	0.06	90.83%	96.63%	NA		14.11	57.23%	NR	0.28%	0.03%	NA	100.00%	100.00%	96.54%	96.54%	95.30%	100.00%
55		RCOM	0.00	100.00%	100.00%	NA		NR	NR	82.19%	0.00%	0.04%	NA	NA	100.00%	96.00%	90.27%	100.00%	100.00%
56	NE	TTSL	0.00	NA	NA	NA		0.00	78.43%	NA	0.00%	0.00%	NA	NA	NA	100.00%	95.08%	NA	0.00%
57	NE-I	BSNL	4.32	94.64%	100.00%	100.00%		7.31	65.45%	NA	100.00%	NR	NA	NR	100.00%	96.73%	95.00%	86.06%	100.00%
58	NE-II	BSNL	3.35	96.20%	100.00%	100.00%		6.67	60.92%	NA	100.00%	NR	NA	NR	100.00%	95.66%	98.33%	100.00%	100.00%
59	OR	BSNL	4.78	95.67%	100.00%	100.00%		6.13	63.91%	NA	100.00%	NR	NA	NR	100.00%	96.43%	79.33%	97.84%	100.00%
60		RCOM	No Faults	NA	100.00%	NA		NR	NR	88.36%	0.00%	NIL	NA	NA	100.00%	96.00%	90.27%	No Request	100.00%
61		TTSL	1.83	98.94%	100%	100%		1.41	99.98%	NA	0.0%	0.02%	NA	100.00%	NA	99.57%	96.57%	NA	0.00%
62	PB	Bharti	2.05	97.76%	100.00%	NA		4.59	94.59%	NA	0.00%	0.01%	NA	100.00%	100.00%	98.65%	94.86%	99.93%	100.00%
63		BSNL	3.67	97.39%	99.82%	99.91%		5.49	70.34%	NA	100.00%	NR	NA	NR	100.00%	95.28%	90.33%	100.00%	100.00%
64		HFCL	4.29	93.64%	99.93%	0.00%		7.97	55.84%	NA	0.00%	0.02%	NA	100.00%	100.00%	100.00%	94.00%	100.00%	100.00%
65		RCOM	0.00	100.00%	100.00%	NA		NR	NR	93.41%	0.00%	0.03%	NA	NA	100.00%	96.00%	90.27%	100.00%	100.00%
66		TTSL	0.34	91.84%	91.84%	100.00%		9.25	81.61%	NA	0.00%	0.03%	NA	100.00%	100.00%	99.36%	95.99%	100.00%	0.00%

### Annexure 4.2 (Contd.)

67	RJ	Bharti	1.53	96.90%	100.00%	NA		3.66	90.60%	NA	0.00%	0.01%	NA	100.00%	100.00%	99.45%	94.55%	99.90%	100.00%
68		BSNL	4.39	96.32%	99.55%	99.98%		5.94	48.24%	NA	100.00%	NR	NA	NR	100.00%	94.44%	78.67%	100.00%	100.00%
69		RCOM	0.00	100.00%	100.00%	NA		NR	NR	91.58%	0.00%	0.03%	NA	NA	100.00%	96.00%	90.27%	100.00%	100.00%
70		Sistema	2.34	99.00%	100.00%	100.00%		5.00	96.47%	NA	NIL	0.04%	NA	100.00%	100.00%	99.00%	99.00%	100.00%	100.00%
71		TTSL	0.00	NA	NA	NA		0.00	100.00%	NA	0.00%	0.02%	NA	100.00%	100.00%	99.38%	95.76%	100.00%	0.00%
72	ROM	TTSL	0.40	95.40%	99.31%	99.88%		5.67	97.59%	NA	0.00%	0.03%	NA	100.00%	100.00%	99.42%	95.69%	100.00%	100.00%
73	TN	Bharti	2.83	94.86%	100.00%	NA		3.56	93.10%	NA	0.00%	0.05%	NA	100.00%	100.00%	99.96%	96.20%	99.96%	100.00%
74		BSNL	2.89	97.21%	96.51%	99.29%		4.88	81.95%	NA	100.00%	NR	NA	NR	100.00%	95.63%	97.67%	100.00%	100.00%
75		RCOM	0.01	100.00%	100.00%	NA		NR	NR	88.49%	0.00%	0.03%	NA	NA	100.00%	96.00%	90.27%	100.00%	100.00%
76		TTSL	0.39	48.15%	48.15%	62.96%		30.28	Not launched	Not launched	Not launched	0.01%	NA	100.00%	100.00%	99.32%	96.15%	NA	0.00%
77	UPE	Bharti	1.91	98.68%	100.00%	NA		4.18	92.90%	NA	0.00%	0.02%	NA	100.00%	100.00%	100.00%	94.83%	100.00%	100.00%
78		BSNL	3.54	93.38%	99.47%	99.79%		5.87	74.75%	NA	100.00%	NR	NA	NR	100.00%	92.67%	85.00%	100.00%	100.00%
79		RCOM	0.01	100.00%	100.00%	NA		NR	NR	94.03%	0.00%	0.05%	NA	NA	100.00%	96.00%	90.27%	100.00%	100.00%
80		TTSL	0.70	94.55%	94.55%	96.36%		6.82	99.36%	NA	0.00%	0.00%	NA	NA	100.00%	99.60%	95.62%	NA	0.00%
81	UPW	Bharti	2.34	95.25%	100.00%	NA		5.41	96.39%	NA	0.00%	0.02%	NA	100.00%	100.00%	100.00%	94.75%	100.00%	100.00%
82		BSNL	4.52	96.46%	99.50%	99.93%		5.87	74.89%	NA	100.00%	NR	NA	NR	100.00%	96.99%	94.67%	100.00%	100.00%
83		RCOM	No Faults Registered	NA	100.00%	NA		NR	NR	90.56%	0.00%	NIL	NA	NA	100.00%	96.00%	90.27%	No Request Received	100.00%
84		TTSL	0.00	NA	NA	NA		0.00	100.00%	NA	0.00%	0.00%	NA	NA	100.00%	99.70%	95.52%	100.00%	0.00%
85	UTT	BSNL	5.38	90.01%	97.97%	99.98%		4.80	67.07%	NA	100.00%	NR	NA	NR	100.00%	94.40%	90.67%	99.53%	100.00%
86	WB	BSNL	5.17	93.98%	93.19%	98.07%		8.54	63.88%	NA	100.00%	NR	NA	NR	100.00%	95.72%	91.00%	78.67%	100.00%
87		RCOM	No Faults Registered	NA	100.00%	NA		NR	NR	81.90%	0.00%	NIL	NA	NA	100.00%	96.00%	90.27%	No Request Received	100.00%
88		TTSL	0.00	NA	NA	NA		0.00	Not Lunched	Not Lunched	Not Lunched	0.00%	NA	NA	NA	99.70%	97.29%	NA	0.00%
			Benchmark not met	NR - Data Not Reported				NA - Not Applicable											

### Annexure 4.3: Quality of Service Performance of Broadband Service Providers

#### Performance Monitoring Report on Quality of Service of Broadband Service Providers for Quarter Ending June, 2012

Sl. No.	Service Operators	Service Provisioning	Faults Repair		Billing Performance				Response Time to the Customer for assistance		Bandwidth utilisation/throughput					Packet Loss	Network latency (for wired broadband access)		
		%age of connections provided within 15 days of registration of demand	% of faults repaired by next working day (>90%)	% of faults repaired within 3 working day	Rent Rebate	%age of bills disputed	%age of billing complaints resolved within 4 weeks	%age of cases to whom refund of deposits is made within 60 days of closures	%age of calls answered by operator (Voice to voice) within 60 sec	%age of calls answered by operator (Voice to voice) within 90 sec	No. of Intra network links having Bandwidth utilisation >90% during peak hours (TCBH)	No. of Upstream links for International connectivity having bandwidth utilisation >90% during peak hours (TCBH)	% International bandwidth utilization during peak hours (TCBH) (Enclose MRTG) <90%	Broadband Connection Speed available (download) from ISP node to user	Service availability (uptime for all users) in %age	Packet loss (for wired broadband access) in %age	User reference point at POP/ISP Gateway node to IGSP/NIXI	User reference point at ISP Gateway node to International nearest NAP port abroad (terrestrial)	User reference point at ISP Gateway node to International nearest NAP port abroad (satellite)
		100%	>90%	>99%	in nos.	<2%	100%	100% within 60 days	>60%	>80%	0	0	<90%	>80%	>98%	<1%	<120 ms	<350 ms	<800 ms
<b>1</b>	<b>BSNL</b>																		
1.1	Andhra Pradesh	100.00%	96.40%	99.70%	109	0.00%	100.00%	100.00%	87.30%	94.80%									
1.2	Assam	99.70%	92.20%	99.10%	0	0.00%	100.00%	100.00%	86.70%	89.80%									
1.3	Bihar	100.00%	94.20%	99.30%	0	0.00%	100.00%	100.00%	100.00%	100.00%									
1.4	Chhattisgarh	100.00%	93.60%	99.80%	216	0.00%	100.00%	100.00%	80.30%	89.80%									
1.5	Chennai	100.00%	94.40%	100.00%	0	0.00%	100.00%	100.00%	97.20%	100.00%									
1.6	Gujrat	100.00%	94.60%	99.40%	5	0.00%	100.00%	100.00%	81.80%	90.60%									
1.7	Haryana	100.00%	95.30%	100.00%	149	0.00%	100.00%	100.00%	84.40%	93.10%									
1.8	Himachal Pradesh	100.00%	92.60%	100.00%	522	0.00%	100.00%	100.00%	83.40%	92.50%									
1.9	Jammu & Kashmir	100.00%	94.20%	98.80%	0	0.00%	100.00%	100.00%	73.40%	83.30%									
1.10	Jharkhand	100.00%	95.40%	100.00%	0	0.00%	100.00%	100.00%	81.70%	92.10%									
1.11	Karnataka	99.98%	95.10%	99.70%	578	0.00%	99.98%	99.90%	87.30%	94.60%									
1.12	Kerala	96.60%	70.50%	85.90%	0	0.00%	99.50%	100.00%	77.60%	88.30%									
1.13	Kolkata	100.00%	94.10%	99.80%	0	0.00%	100.00%	100.00%	61.70%	81.70%	0	0	81.40%	83.30%	99.80%	0.60%	37.3	263.3	0
1.14	Maharashtra	100.00%	96.80%	100.00%	11671	0.00%	100.00%	100.00%	89.30%	95.30%				96.20%	99.60%				
1.15	Madhya Pradesh	100.00%	94.70%	100.00%	12	0.00%	100.00%	100.00%	87.20%	94.50%				92.10%	99.90%				
1.16	North East I	100.00%	91.70%	100.00%	65	0.00%	100.00%	100.00%	74.80%	87.60%				89.60%	99.20%				
1.17	North East II	100.00%	93.50%	100.00%	0	0.00%	100.00%	100.00%	93.80%	97.60%				92.70%	99.30%				
1.18	Orissa	100.00%	94.60%	100.00%	33	0.00%	100.00%	100.00%	86.90%	96.60%				93.20%	99.60%				
1.19	Punjab	100.00%	95.50%	99.60%	301	0.00%	100.00%	100.00%	80.40%	91.80%				89.40%	99.80%				
1.20	Rajasthan	100.00%	97.30%	100.00%	1	0.00%	100.00%	100.00%	87.30%	94.90%				90.20%	99.30%				
1.21	Tamil Nadu	100.00%	94.00%	99.90%	0	0.00%	100.00%	100.00%	92.20%	96.70%				95.40%	99.90%				
1.22	Uttaranchal	100.00%	86.20%	100.00%	0	0.00%	100.00%	100.00%	91.20%	97.20%				94.90%	99.40%				
1.23	UP East	100.00%	91.50%	99.50%	195	0.00%	100.00%	100.00%	85.10%	93.10%				93.90%	99.60%				
1.24	UP West	100.00%	94.30%	99.40%	32	0.00%	100.00%	100.00%	75.20%	85.40%				92.10%	99.70%				
1.25	West Bengal	86.90%	85.80%	95.50%	95	0.00%	100.00%	100.00%	85.10%	94.80%				91.40%	99.10%				
1.26	A&N	92.60%	89.50%	98.30%	0	0.00%	100.00%	100.00%	96.00%	100.00%				28.30%	100.00%				
<b>2</b>	<b>MTNL</b>																		
2.1	Delhi	94.85%	81.31%	95.30%	8420	0.09%	98.57%	100.00%	99.07%	99.65%	0	0.67	81.97%	95.00%	99.80%	C/DNF	C/DNF	C/DNF	NA
2.2	Mumbai	83.12%	83.83%	93.01%	17315	0.008%	100.00%	NA	61.96%	65.01%	0	0	87.28%	80.00%	98.00%	1.00%	70	350	NA

### Annexure 4.3 (Contd.)

<b>3</b>	<b>Bharti Airtel Ltd.</b>																		
3.1	Andhra Pradesh	100.00%	90.79%	99.85%	3	0.04%	100.00%	100.00%	93.00%	95.00%	0	0	0.54%	102.05%	99.99%	0.00%	56	264	NA
3.2	Delhi	100.00%	95.80%	99.34%	238	0.03%	100.00%	100.00%	96.00%	99.00%	0	0	0.69%	100.00%	99.97%	0.00%	32	3.2	NA
3.3	Gujarat	100.00%	99.26%	99.93%	3	0.02%	100.00%	100.00%	89.00%	94.00%	0	NA	NA	99.52%	99.98%	0.11%	34	55.93	NA
3.4	Haryana	100.00%	98.27%	99.78%	1	0.02%	100.00%	100.00%	97.00%	99.00%	0	NA	NA	100.00%	100.00%	0.00%	33	3.33	NA
3.5	Karnataka	100.00%	92.49%	100.00%	0	0.11%	100.00%	100.00%	89.00%	93.00%	0	0	0.63%	98.88%	99.97%	0.00%	66	270	NA
3.6	Kerala	100.00%	96.02%	100.00%	0	0.02%	100.00%	100.00%	95.00%	97.00%	0	NA	NA	119.14%	100.00%	0.00%	95	307.33	NA
3.7	Kolkata	100.00%	98.99%	99.81%	4	0.03%	100.00%	100.00%	96.00%	99.00%	0	0	0.66%	100.00%	99.99%	0.00%	26	4.67	NA
3.8	Madhya Pradesh & CG	100.00%	99.36%	99.94%	18	0.04%	100.00%	100.00%	91.00%	95.00%	0	0	0.41%	98.67%	99.94%	0.06%	65	83.87	NA
3.9	Maharashtra	100.00%	98.95%	99.79%	10	0.05%	100.00%	100.00%	90.00%	93.00%	0	NA	NA	100.00%	99.95%	0.02%	41	56.93	NA
3.10	Mumbai	100.00%	97.98%	99.63%	40	0.02%	100.00%	100.00%	91.00%	95.00%	0	0	0.54%	100.00%	99.90%	0.00%	35	59.7	NA
3.11	Punjab	100.00%	98.82%	99.84%	6	0.02%	100.00%	100.00%	96.00%	99.00%	0	0	0.57%	100.00%	100.00%	0.00%	26	6.67	NA
3.12	Rajasthan	100.00%	99.32%	99.96%	1	0.03%	100.00%	100.00%	96.00%	98.00%	0	NA	NA	100.00%	99.99%	0.00%	36	58.67	NA
3.13	Tamilnadu	100.00%	92.90%	100.00%	0	0.07%	100.00%	100.00%	97.00%	99.00%	0	0	0.60%	104.00%	99.96%	0.00%	79	285.33	NA
3.14	UP - East	100.00%	98.83%	100.00%	0	0.03%	100.00%	100.00%	97.00%	99.00%	0	NA	NA	100.00%	100.00%	0.00%	14	3.33	NA
3.15	UP - West	100.00%	97.10%	99.77%	2	0.02%	100.00%	100.00%	96.00%	99.00%	0	NA	NA	100.00%	99.98%	0.00%	32	3.33	NA
<b>4</b>	<b>Hathway</b>																		
4.1	Andhra Pradesh	100.00%	97.00%	99.00%	177	1.89%	100.00%	100.00%	89.00%	95.00%	0	0	87.00%	85.00%	99.68%	0.98%	110	320	NA
4.2	Delhi	100.00%	90.00%	99.00%	91	1.64%	100.00%	100.00%	94.00%	95.00%	NR	0	73.00%	85.00%	97.00%	1.00%	10	310	NA
4.3	Gujarat	100.00%	95.00%	99.27%	0	0.00%	DNF	DNF	82.00%	96.00%	0	0	88.00%	85.00%	99.00%	0.98%	110	350	NA
4.4	Haryana	100.00%	100.00%	100.00%	0	0.00%	NA	NA	DNF	DNF	0	DNF	NA	85.00%	100.00%	0.99%	10	310	NA
4.5	Karnataka	100.00%	91.00%	99.00%	448	1.94%	100.00%	100.00%	83.00%	87.00%	0	0	87.00%	85.00%	100.00%	0.98%	110	350	NA
4.6	Maharashtra	100.00%	93.00%	99.00%	1881	0.92%	100.00%	100.00%	90.00%	93.00%	0	0	88.00%	85.00%	99.00%	0.98%	105	300	NA
4.7	Punjab	100.00%	98.00%	99.00%	21	1.94%	100.00%	100.00%	99.00%	NA	NR	0	76.00%	85.00%	99.40%	0.98%	10	310	NA
4.8	Goa	100.00%	93.00%	99.00%	0	0.00%	NA	DNF	90.00%	96.00%	0	0	87.00%	85.00%	96.00%	0.98%	105	250	NA
4.9	Uttar Pradesh	100.00%	96.00%	98.00%	2	1.02%	100.00%	100.00%	DNF	DNF	NR	NA	78.00%	85.00%	99.00%	0.98%	24	290	NA
4.10	Chhatisgarh	100.00%	96.00%	100.00%	0	1.73%	100.00%	100.00%	67.00%	NA	0	0	73.00%	85.00%	100.00%	0.98%	30	310	NA
<b>5</b>	<b>SIFY</b>																		
	All India	97.10%	61.79%	29.39%	1109	NA	NA	NA	90.68%	94.14%	0	0	83.00%	NA	100.00%	0.00%	51	275	NA
<b>6</b>	<b>Quadrant Televentures Ltd.(Formerly HFCL Infotel Ltd.)</b>																		
	Punjab	99.89%	95.37%	100.00%	Nil	0.01%	100.00%	100.00%	82.00%	87.00%	Nil	Nil	82.00%	100.00%	99.88%	0.00%	60	280	NA
<b>7</b>	<b>Tata Teleservices (Maharashtra) Ltd.</b>																		
	Maharashtra & Goa	96.00%	90.55%	100.00%	0	0.27%	100.00%	100.00%	85.44%	91.40%	NR	NR	0.00%	86.95%	99.76%	0.00%	33	194	NA
<b>8</b>	<b>Beam Cables</b>																		
	Hyderabad	100.00%	81.33%	90.00%	1026	2.00%	100.00%	NA	67.20%	75.33%	0	0	92.40%	80.00%	98.00%	1.00%	100	300	NA

**Annexure 4.3 (Contd.)**

<b>9</b>	<b>Alliance Broadband</b>																		
	Kolkata	100.00%	99.00%	100.00%	0	1.13%	100.00%	NA	98.00%	99.00%	7	0	NR	DNF	99.00%	1.00%	NA	NA	NA
<b>10</b>	<b>Broadband Pacenet India Private Ltd.</b>																		
10.1	Mumbai	100.00%	91.00%	100.00%	11	0.00%	100.00%	NA	75.00%	88.00%	0	0	79.00%	DNF	99.00%	1.00%	50	280	NA
10.2	Mumbai-Pune	100.00%	93.00%	100.00%	10	NR	100.00%	NA	73.00%	92.00%	0	0	79.00%	DNF	99.00%	1.00%	50	280	NA
10.3	All India	100.00%	90.00%	99.50%	12	0.00%	NA	NA	77.00%	92.00%	0	0	76.00%	DNF	99.00%	1.00%	75	310	NA
10.4	Madhya Pradesh	100.00%	92.00%	100.00%	0	0.00%	100.00%	NA	72.00%	92.00%	0	0	69.00%	DNF	99.00%	1.00%	50	280	NA
10.5	Gujarat	100.00%	91.00%	100.00%	0	0.00%	100.00%	NA	79.00%	95.00%	0	0	82.00%	DNF	99.00%	1.00%	50	280	NA
10.6	Rajasthan	100.00%	92.00%	100.00%	0	0.00%	NA	NA	86.00%	93.00%	0	0	75.00%	DNF	99.00%	1.00%	50	280	NA
10.7	Andhra Pradesh	100.00%	90.00%	100.00%	0	2.00%	100.00%	NA	81.00%	85.00%	0	0	51.29%	DNF	99.00%	1.00%	50	280	NA
<b>11</b>	<b>Tikona Digital Networks</b>																		
	All India	92.23%	94.91%	99.48%	639	1.55%	100.00%	100.00%	18.53%	23.66%	0	0	77.44%	99.00%	98.90%	NA	NA	NA	NA
<b>12</b>	<b>Asianet Satellite Communications Ltd.</b>																		
	Kerala	100.00%	90.86%	99.55%	NR	1.70%	100.00%	100.00%	NR	NR	0	0	68.03%	90.00%	99.46%	1.00%	50	270	NA
<b>13</b>	<b>Zylog Systems(India)Ltd.</b>																		
13.1	All Circles	100.00%	92.00%	99.00%	282	NR	100.00%	100.00%	NR	100.00%	NR	0	79.00%	90.00%	99.56%	NA	44	300	NA
13.2	ROTN	100.00%	93.00%	99.00%	75	NR	100.00%	100.00%	NR	100.00%	0	0	85.00%	90.00%	99.72%	NA	44	300	NA
13.3	Chennai	100.00%	89.00%	99.00%	61	NR	100.00%	100.00%	NR	100.00%	0	0	85.00%	90.00%	99.53%	NA	44	300	NA
13.4	Andhra Pradesh	100.00%	95.00%	99.00%	67	NR	100.00%	100.00%	NR	100.00%	0	0	87.00%	90.00%	99.57%	NA	44	300	NA
13.5	Karnataka	100.00%	90.00%	99.00%	33	NR	100.00%	100.00%	NR	100.00%	0	0	85.00%	90.00%	99.77%	NA	44	300	NA
13.6	Punjab	100.00%	92.00%	99.00%	29	NR	100.00%	100.00%	NR	100.00%	0	0	88.00%	90.00%	99.53%	NA	44	300	NA
13.7	Gujarat	100.00%	96.00%	99.00%	4	NR	100.00%	100.00%	NR	100.00%	0	0	82.00%	90.00%	99.69%	NA	44	300	NA
13.8	Rajasthan	100.00%	94.00%	99.00%	10	NR	100.00%	100.00%	NR	100.00%	0	0	91.00%	90.00%	99.53%	NA	44	300	NA
13.9	Haryana	100.00%	94.00%	99.00%	3	NR	100.00%	100.00%	NR	100.00%	0	0	91.00%	90.00%	99.77%	NA	44	300	NA
13.10	Goa	100.00%	100.00%	100.00%	DNF	NR	100.00%	100.00%	NR	100.00%	0	0	54.00%	90.00%	99.67%	NA	44	300	NA
<b>14</b>	<b>IndusInd Media &amp; Communications Ltd. (Broadband Division)</b>																		
	All India	100.00%	97.00%	99.00%	12	0.00%	100.00%	DNF	100.00%	100.00%	0	0	74.00%	80.00%	96.00%	1.00%	45	260	NA
<b>15</b>	<b>Rajesh Multichannel Pvt. Ltd.</b>																		
	Mumbai	100.00%	98.00%	NR	Nil	Nil	100.00%	Nil	92.00%	87.00%	2	NR	86.00%	NR	99.00%	NR	NR	NR	NR
<b>16</b>	<b>Chandranet Pvt. Ltd.</b>																		
	Gujarat	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
<b>17</b>	<b>Gujarat Telelink Pvt. Ltd.</b>																		
	Gujarat	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

### Annexure 4.3 (Contd.)

<b>18</b>	<b>Syscon Infoway Pvt Ltd.</b>																		
	Mumbai	100.00%	98.00%	100.00%	0	0.00%	100.00%	100.00%	96.00%	92.00%	0	0	83.00%	99.00%	99.00%	0.00%	10	250	NR
<b>19</b>	<b>D-Vois Broadband</b>																		
	All India	100.00%	98.29%	99.36%	NR	0.26%	100.00%	NR	97.00%	97.00%	0	0	0.00%	90.00%	99.99%	0.10%	C/DNF	C/DNF	C/DNF
<b>20</b>	<b>Wish Net Private Ltd</b>																		
	Kolkata & West Bengal	100.00%	98.92%	100.00%	0	0.07%	100.00%	NA	81.00%	97.67%	0	0	74.42%	DNF	99.00%	1.00%	NA	NA	NA
<b>21</b>	<b>Tata Communications</b>																		
21.1	Andhra Pradesh	100.00%	97.00%	100.00%	1272	0.00%	100.00%	100.00%	75.66%	80.53%	DNF	0	41.73%	93.04%	98.00%	0.39%	50	245	NA
21.2	Assam	100.00%	98.00%	100.00%		NA	NA	NA							100.00%				
21.3	Delhi & NCR	97.00%	96.00%	99.00%		0.00%	100.00%	100.00%							100.00%				
21.4	Gujarat & Daman & Du	100.00%	97.00%	100.00%		0.00%	100.00%	100.00%							100.00%				
21.5	Haryana	74.00%	97.00%	99.00%		NA	NA	NA							NA				
21.6	Himachal Pradesh	NR	100.00%	100.00%		NA	NA	NA							NA				
21.7	Jammu & Kashmir	83.00%	100.00%	100.00%		NA	NA	NA							NA				
21.8	Karnataka	100.00%	95.00%	99.00%		0.00%	100.00%	100.00%							100.00%				
21.9	Kerala & Lakshadweep	100.00%	90.00%	97.00%		0.00%	100.00%	100.00%							100.00%				
21.10	Madhya Pradesh & Chhattisgarh	100.00%	94.00%	100.00%		0.00%	100.00%	NA							NA				
21.11	Maharashtra & Goa	100.00%	96.00%	99.00%		0.00%	100.00%	100.00%							100.00%				
21.12	Mumbai	100.00%	90.00%	97.00%		0.00%	100.00%	100.00%							100.00%				
21.13	North Eastern	NR	95.00%	100.00%		NA	NA	NA							NA				
21.14	Orissa	NR	96.00%	100.00%		NA	NA	NA							NA				
21.15	Punjab	92.00%	98.00%	100.00%	0.00%	100.00%	100.00%	100.00%											
21.16	Rajasthan	98.00%	97.00%	99.00%	0.00%	100.00%	100.00%	100.00%											
21.17	Tamil Nadu & Pondicherry	100.00%	92.00%	98.00%	0.00%	100.00%	100.00%	100.00%											
21.18	Uttar Pradesh - East	85.00%	98.00%	99.00%	NA	NA	NA	NA											
21.19	Uttar Pradesh -West	100.00%	98.00%	100.00%	NA	NA	NA	NA											
21.20	West Bengal	NR	NA	NA	NA	NA	NA	NA											
21.21	Kolkata	100.00%	95.00%	99.00%	0.00%	100.00%	100.00%	100.00%											
21.22	Bihar & Jharkhand	100.00%	91.00%	97.00%	NA	NA	NA	NA											
<b>22</b>	<b>Ortel Communications</b>																		
	Orissa	100.00%	91.00%	100.00%	NA	NA	NA	NA	100.00%	100.00%	0	0	78.00%	92.66%	98.40%	0.00%	59	159	NA
<b>23</b>	<b>Reliance Communications</b>																		
	All India	100.00%	100.00%	100.00%	NA	0.14%	DNF	100.00%	89.00%	93.00%	0	0	53.68%	90.00%	99.64%	0.30%	DNF	DNF	DNF



**Annexure 4.3 (Contd.)**

<b>24</b>	<b>You Broadband</b>																		
24.1	All India	100.00%	89.70%	98.09%	1810	1.84%	100.00%	100.00%	83.06%	87.94%	NA	0	74.85%	85.57%	98.96%	0.00%	12	258	NA
24.2	Maharashtra	100.00%	90.37%	98.01%	395	0.62%	100.00%	100.00%	80.67%	86.33%	NA	0	76.30%	85.86%	98.85%	0.00%	18	265	NA
24.3	Gujarat	100.00%	90.00%	98.00%	835	0.52%	100.00%	100.00%	81.33%	86.33%	NA	0	73.08%	86.14%	98.99%	0.00%	12	252	NA
24.4	Karnataka	100.00%	83.78%	96.88%	144	0.64%	100.00%	100.00%	84.33%	88.67%	NA	0	75.00%	84.65%	98.59%	0.00%	8	244	NA
24.5	Tamilnadu	100.00%	90.66%	98.56%	69	0.44%	100.00%	100.00%	84.67%	89.33%	NA	0	77.78%	86.15%	98.78%	0.00%	8	249	NA
24.6	Haryana	100.00%	94.23%	99.29%	30	0.98%	100.00%	100.00%	83.33%	88.67%	NA	0	77.38%	84.95%	98.97%	0.00%	4	252	NA
24.7	Andhra Pradesh	100.00%	89.33%	97.76%	337	0.75%	100.00%	100.00%	84.00%	88.33%	NA	0	74.49%	86.11%	99.22%	0.00%	14	272	NA
<b>25</b>	<b>Spectranet</b>																		
	All India	99.72%	97.34%	99.23%	0	0.00%	NA	NA	100.00%	100.00%	0	0	68.00%	80.00%	99.00%	1.00%	DNF	DNF	DNF
<b>26</b>	<b>Five Networks</b>																		
	All India	100.00%	99.50%	100.00%	NA	NR	100.00%	100.00%	NA	NA	NA	0	NR	97.17%	98.00%	1.00%	NA	150	NA
<b>27</b>	<b>Vasai Cables</b>																		
	Mumbai(Kalyan SSA)	100.00%	94.59%	99.56%	0	0.69%	100.00%	NA	65.57%	82.83%	0	0	80.00%	80.00%	99.58%	1.00%	4	255	NR
<b>28</b>	<b>Softeng Computers new name is Nivyah Infrastructure &amp; Telecom Services Ltd.</b>																		
	All India	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
<b>29</b>	<b>Noida Software Technology</b>																		
	All India	100.00%	100.00%	NA	Nil	NA	NA	NA	80.00%	100.00%	200	NA	NA	98.00%	99.18%	1.00%	30	250	NA
<b>30</b>	<b>Meghbela Cable &amp; Broadband</b>																		
	All India	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
<b>31</b>	<b>Atria Convergence Tech</b>																		
	Karnataka	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
<b>32</b>	<b>Honesty Net Solutions</b>																		
	Mumbai	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
<b>33</b>	<b>Home Systems</b>																		
	Mumbai	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
		<b>DNF</b> = Data not as per Format				<b>NR</b> = Data not reported by the Service Provider						<b>NA</b> = Not Applicable			<b>C/DNF</b> = Complied the parameter but Data is not in the required format				

**Annexure 5.1: A -la-carte rates of pay channels for non-CAS areas, as reported to TRAI by the respective Broadcasters**

<b>S. No</b>	<b>Name of the Broadcaster</b>	<b>S.No</b>	<b>Name of the channel</b>	<b>Reported Rates( in INR)</b>	<b>Remarks</b>
1	M/s Media Pro Enterprise India Private Limited	1	Zee TV	13.88	As on 01.12.2007, the rate of the channel was Rs. 12.97. Reported revised rate of Rs. 13.88 w.e.f. 01.01.2009.
		2	Zee Cinema	13.88	As on 01.12.2007, the rate of the channel was Rs. 12.97 Reported revised rate of Rs. 13.88 w.e.f. 01.01.2009.
		3	Cartoon Network	13.37	As on 01.12.2007, the rate of the channel was Rs. 12.50 Reported revised rate of Rs. 13.37 w.e.f. 01.01.2009.
		4	Zee Marathi	08.56	As on 01.12.2007, the rate of the channel was Rs. 8.00 Reported revised rate of Rs. 08.56 w.e.f. 01.01.2009.
		5	Zee News	08.02	As on 01.12.2007, the rate of the channel was Rs. 7.50 Reported revised rate of Rs. 08.02 w.e.f. 01.01.2009.
		6	CNN	01.60	As on 01.12.2007, the rate of the channel was Rs. 1.50 Reported revised rate of Rs. 01.60 w.e.f. 01.01.2009.
		7	Zee Café	08.56	As on 01.12.2007, the rate of the channel was Rs. 8.00 Reported revised rate of Rs. 08.56 w.e.f. 01.01.2009.
		8	Zee Studios	07.49	As on 01.12.2007, the rate of the channel was Rs. 7.00 Reported revised rate of Rs. 07.49 w.e.f. 01.01.2009.
		9	Zee Bangla	08.67	As on 01.12.2007, the rate of the channel was Rs. 8.10 Reported revised rate of Rs. 08.67 w.e.f. 01.01.2009.
		10	Zee Punjabi	01.60	As on 01.12.2007, the rate of the channel was Rs. 1.50 Reported revised rate of Rs. 01.60 w.e.f. 01.01.2009.
		11	Zee Trendz	01.07	As on 01.12.2007, the rate of the channel was Rs. 1.00 Reported revised rate of Rs. 01.07 w.e.f. 01.01.2009.
		12	HBO	16.69	As on 01.12.2007, rate of the channel was Rs. 15.60 Reported revised rate of Rs. 16.69 w.e.f. 01.01.2009.
		13	POGO	13.37	As on 01.12.2007, rate of the channel was Rs. 12.50 Reported revised rate of Rs. 13.37 w.e.f. 01.01.2009.
		14	Zee Business	05.14	As on 01.12.2007, rate of the channel was Rs. 4.80 Reported revised rate of Rs. 05.14 w.e.f. 01.01.2009.
		15	Zee Classic	10.70	As on 01.12.2007, rate of the channel was Rs. 10.00 Reported revised rate of Rs. 10.70 w.e.f. 01.01.2009.
		16	Zee Action	10.70	As on 01.12.2007, rate of the channel was Rs. 10.00 Reported revised rate of Rs. 10.70 w.e.f. 01.01.2009.
		17	Zee Premier	11.98	As on 01.12.2007, rate of the channel was Rs. 11.20 Reported revised rate of Rs. 11.98 w.e.f. 01.01.2009.

**Annexure 5.1 (contd.)**

		18	Zee Telugu	11.13	As on 01.12.2007, rate of the channel was Rs. 10.40 Reported revised rate of Rs. 11.13 w.e.f. 01.01.2009.
		19	Zee Kannada	07.98	As on 01.12.2007, rate of the channel was Rs. 7.46 Reported revised rate of Rs. 07.98 w.e.f. 01.01.2009.
		20	ETC Punjabi	09.63	As on 01.12.2007, rate of the channel was Rs. 9.00 Reported revised rate of Rs. 09.63 w.e.f. 01.01.2009.
		21	ETC	03.21	As on 01.12.2007, rate of the channel was Rs. 3.00 Reported revised rate of Rs. 03.21 w.e.f. 01.01.2009.
		22	Zing (#)	05.35	As on 01.12.2007, rate of the channel was Rs. 5.00 Reported revised rate of Rs. 05.35 w.e.f. 01.01.2009.
		23	Zee Jagran	02.14	As on 01.12.2007, rate of the channel was Rs. 2.00 Reported revised rate of Rs. 02.14 w.e.f. 01.01.2009.
		24	Zee Smile	06.57	As on 01.12.2007, rate of the channel was Rs. 6.14 Reported revised rate of Rs. 06.57 w.e.f. 01.01.2009.
		25	24 Ghante	06.42	As on 01.12.2007, rate of the channel was Rs. 6.00 Reported revised rate of Rs. 06.42 w.e.f. 01.01.2009.
		26	24 Taas	09.09	As on 01.12.2007, rate of the channel was Rs. 8.50 Reported revised rate of Rs. 09.09 w.e.f. 01.01.2009.
		27	Zee Talkies	16.58	As on 01.12.2007, rate of the channel was Rs. 15.50 Reported revised rate of Rs. 16.58 w.e.f. 01.01.2009.
		28	WB	6.60	Channel launched on. 15.03.2009
		29	Zee 24 Ghantalu	5.60	Channel launched on 02.04.2009
		30	Zee Salaam	15.00	Channel launched on 01.02.2010
		31	9X	20.50	
		32	Star Plus	18.73	As on 01.12.2007, rate of the channel was Rs. 17.50 W.e.f. 01.01.2009, rate of the channel increased to Rs 18.73 .
		33	Star Gold	17.66	As on 01.12.2007, rate of the channel was Rs. 16.50 W.e.f. 01.01.2009, rate of the channel increased to Rs 17.66 .
		34	Star Movies	17.66	As on 01.12.2007, rate of the channel was Rs. 16.50 W.e.f. 01.01.2009, rate of the channel increased to Rs 17.66 .
		35	Star World	04.87	As on 01.12.2007, rate of the channel was Rs. 4.55 W.e.f. 01.01.2009, rate of the channel increased to Rs 4.87 .
		36	Vijay TV	04.28	As on 01.12.2007, rate of the channel was Rs. 4.00 (Rs 11.80 in Tamilnadu)  W.e.f. 01.01.2009, rate of the channel increased to Rs 4.28 (Rs 12.63 in Tamilnadu).

**Annexure 5.1 (contd.)**

		37	NGC	06.15	As on 01.12.2007, rate of the channel was Rs. 5.75 W.e.f. 01.01.2009, rate of the channel increased to Rs 6.15 .
		38	Fox Traveller channel (iii)	04.71	As on 01.12.2007, rate of the channel was Rs. 4.40 W.e.f. 01.01.2009, rate of the channel increased to Rs 4.71 .
		39	Channel (V)	01.07	As on 01.12.2007, rate of the channel was Rs. 1.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 1.07 .
		40	Life Ok (iii)	21.94	As on 01.12.2007, rate of the channel was Rs. 20.50 W.e.f. 01.01.2009, rate of the channel increased to Rs 21.94 .
		41	The MGM	06.42	M/s Star Den(v) has started distributing this channel w.e.f. 15.09.2008 @ Rs. 6.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 6.42 .
		42	Star Jalsha	12.00	Earlier, "Star Jalsha " was distributed by M/s Star Den(v) as a FTA channel upto 04.11.2009 W.e.f. 05.11.2009, this channel was converted to Pay channel @ Rs 12.
		43	ABP Ananda (iv)	06.00	Earlier, this channel was distributed by M/s Media Content & Communications Service (India) Private Limited as a FTA channel upto 4.11.2009 W.e.f. 05.11.2009, this channel was converted to Pay channel @ Rs 6.00.
		44	FX	15.50	
		45	FOX CRIME	15.50	
		46	BABY TV	13.25	
		47	Nat Geo Wild	16.00	
		48	Nat Geo Adventure	16.00	
		49	Nat GEO Music	07.40	
		50	Asianet	12.45	
		51	Star Pravah	12.00	
		52	Fox Action Movies	15.00	
		53	Movies OK	17.00	
		54	NDTV 24X7	09.10	As on 01.12.2007, rate of the channel was Rs. 8.50 W.e.f. 01.01.2009, rate of the channel increased to Rs9.10 .
		55	NDTV Profit	06.42	As on 01.12.2007, the rate of the channel was Rs. 6.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 6.42 .

**Annexure 5.1 (contd.)**

		56	NDTV Good Times	09.63	This channel was converted from FTA to Pay channel w.e.f. 03.05.2008 @ Rs 9.00.  W.e.f. 01.07.2009, rate of the channel increased to Rs9.63.
		57	Suvarna	12.00	Converted from FTA to Pay w.e.f 1.11.2010.
		58	Asianet Plus	07.00	The channel has been converted from FTA to Pay w.e.f. 29.01.2010.
		59	NDTV India	8.02	Converted from FTA to Pay w.e.f 01.01.2011
		<p><b>Note:</b></p> <p><b>i)</b> Prior to 01.05.2009, the name of the channel "Zing" was "Zee Music"</p> <p><b>ii)</b> Prior to 30.10.2011, the name of the channel "Fox Traveller Channel" was "Fox History &amp; Traveller". Prior to 05.05.2011, "Fox History &amp; Traveller" channel was known as "Fox History &amp; Entertainment" channel.</p> <p><b>iii)</b> w.e.f. 14.12.2011 the name of the channel "Star One" has been changed to "Life Ok".</p> <p><b>iv)</b> Prior to 01.06.2012, the name of "ABP Ananda" was "Star Ananda"</p> <p><b>v)</b> The channels distributed by M/s Zee Turner Ltd. and M/s Star Den were shifted to M/s Media Pro Enterprise India Private Limited w.e.f. 01.07.2011.</p> <p><b>vi)</b> w.e.f 01.04.2010, the channel "REAL" has been discontinued for all delivery platforms.</p> <p><b>vii)</b> w.e.f 11.05.2012, the channel "Imagine TV" has been discontinued for the viewers across India</p>			

**Annexure 5.1 (contd.)**

<b>S. No</b>	<b>Name of the Broadcaster</b>	<b>S.No</b>	<b>Name of the channel</b>	<b>Reported Rates( in INR)</b>	<b>Remarks</b>
2	M/s MSM Discovery India Private Limited	60	SET(Sony Entertainment Television)	21.40	As on 01.12.2007, the rate of channel was Rs. 20.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 21.40 .
		61	MAX	18.19	As on 01.12.2007, rate of the channel was Rs. 17.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 18.19 .
		62	Discovery	16.05	As on 01.12.2007, rate of the channel was Rs. 15.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 16.05 .
		63	Animal Planet	05.35	As on 01.12.2007, rate of the channel was Rs. 5.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 5.35 .
		64	AXN	15.52	As on 01.12.2007, rate of the channel was Rs. 14.50 W.e.f. 01.01.2009, rate of the channel increased to Rs15.52 .
		65	Animax	0.50	As on 01.12.2007, rate of the channel was Rs. 2.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 2.14 . W.e.f 14.12.2010, rate of the channel reduced to Rs.0.50
		66	TLC (#)	09.63	As on 01.12.2007, rate of the channel was Rs. 9.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 9.63 .
		67	SAB TV	14.70	As on 01.12.2007, rate of the channel was Rs. 13.74 W.e.f. 01.01.2009, rate of the channel increased to Rs 14.70 .
		68	SET PIX	12.84	As on 01.12.2007, rate of the channel was Rs. 12.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 12.84 .
		69	Aaj Tak	07.49	As on 01.12.2007, the rate of the channel was Rs. 7.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 7.49 .
		70	Headlines Today	03.21	As on 01.12.2007, the rate of the channel was Rs. 3.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 3.21 .
		71	Tez	02.14	As on 01.12.2007, the rate of the channel was Rs. 2.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 2.14 .
		72	Channel 8 (Sony AATH)	10.00	Earlier, "Channel 8" was distributed by M/s Bengla Entertainment Private Limited as a FTA channel. W.e.f. 01.04.2009, this channel was converted to Pay channel @ Rs 10.00.
		73	Discovery Science	12.00	Channel launched on 01.01.2010

**Annexure 5.1 (contd.)**

<b>S. No</b>	<b>Name of the Broadcaster</b>	<b>S.No</b>	<b>Name of the channel</b>	<b>Reported Rates( in INR)</b>	<b>Remarks</b>
		74	Discovery Turbo	10.00	Channel launched on 01.01.2010
		75	Neo Sports	26.60	Prior to 01.09.2010, these channels were distributed by M/s Neo Sports Broadcast Private Limited.  W.e.f. 01.09.2010, the distribution of these channels were shifted to M/s MSM Discovery Private Limited.
		76	NEO Prime (ii)	35.45	
		77	Discovery Channel – Tamil	16.05	Channel launched on 01.08.2011
		78	MIX	7.50	Channel launched on 01.09.2011
		79	Discovery Kids	13.25	Channel launched on 01.04.2012
		80	SIX	35.00	Channel launched on 01.04.2012
<p><b>(i)</b> Prior to 01.09.2010, the name of the channel "TLC " was "Discovery Travel &amp; Living"</p> <p><b>(ii)</b> Prior to 01.06.2012, the name of the channel "Neo Prime" was "Neo Cricket"</p> <p><b>(iii)</b> The distribution of four channels namely "Colors", "MTV", "NICK" and "VH 1" were shifted to M/s SUN 18 Media Services North &amp; M/s SUN 18 Media Services South (presently known as M/s IndiaCast Media Distribution Private Limited &amp; M/s SUN Distribution Services respectively) w.e.f 13.08.2010 &amp; 13.07.2010 respectively.</p>					

**Annexure 5.1 (contd.)**

<b>S. No</b>	<b>Name of the Broadcaster</b>	<b>S.No</b>	<b>Name of the channel</b>	<b>Reported Rates( in INR)</b>	<b>Remarks</b>
3	i) M/s IndiaCast Media Distribution Private Limited *	81	SUN TV	13.26	As on 01.12.2007, the rate of the channel was Rs. 12.40 W.e.f. 06.03.2009, rate of the channel increased to Rs 13.26 .
		82	Gemini TV	11.02	As on 01.12.2007, the rate of the channel was Rs. 10.30 W.e.f. 06.03.2009, rate of the channel increased to Rs 11.02 .
4	ii) M/s SUN Distribution Services Pvt. Ltd. * (erstwhile M/s SUN 18 Media Services South)	83	Udaya TV	12.30	As on 01.12.2007, the rate of the channel was Rs. 11.50 W.e.f. 06.03.2009, rate of the channel increased to Rs 12.30.
		84	K TV	16.06	As on 01.12.2007, the rate of the channel was Rs. 15.00 W.e.f. 06.03.2009, rate of the channel increased to Rs 16.06.
		85	Gemini Comedy (i)	05.68	As on 01.12.2007, the rate of the channel was Rs. 5.30 W.e.f. 06.03.2009, rate of the channel increased to Rs 5.68.
		86	Udaya Movies	15.40	As on 01.12.2007, the rate of the channel was Rs. 14.40 W.e.f. 06.03.2009, rate of the channel increased to Rs 15.40 .
		87	Sun Music	07.50	As on 01.12.2007, the rate of the channel was Rs. 7.00 W.e.f. 06.03.2009, rate of the channel increased to Rs 7.50.
		88	Gemini Music	07.50	As on 01.12.2007, the rate of the channel was Rs. 7.00 W.e.f. 06.03.2009, rate of the channel increased to Rs 7.50 .
		89	Sun News	01.50	As on 01.12.2007, the rate of the channel was Rs. 1.40 W.e.f. 06.03.2009, rate of the channel increased to Rs 1.50
		90	Gemini News	08.02	As on 01.12.2007, the rate of the channel was Rs. 7.50 W.e.f. 06.03.2009, rate of the channel increased to Rs 8.02 .
		91	Udaya Varthegalu	07.86	As on 01.12.2007, the rate of the channel was Rs. 7.35 W.e.f. 06.03.2009, rate of the channel increased to Rs 7.86 .
		92	Gemini Movies (ii)	18.20	As on 01.12.2007, the rate of the channel was Rs. 17.00 W.e.f. 06.03.2009, rate of the channel increased to Rs 18.20 .
		93	Chintu TV (iii)	13.37	W.e.f 09.04.2009, Teja News (Telugu News) was converted to Chintu TV (Kannada Kids).



**Annexure 5.1 (contd.)**

<b>S. No</b>	<b>Name of the Broadcaster</b>	<b>S.No</b>	<b>Name of the channel</b>	<b>Reported Rates( in INR)</b>	<b>Remarks</b>
		94	Udaya Comedy (iv)	16.06	As on 01.12.2007, the rate of the channel was Rs. 15.00  W.e.f. 06.03.2009, rate of the channel increased to Rs 16.06 .
		95	Kushi TV (v)	13.37	W.e.f. 09.04.2009, Udaya News (Kannada News) was converted to Kushi TV (Telugu Kids).
		96	Chutti TV	13.37	Converted from FTA to Pay w.e.f. 17.11.2009
		97	Udaya II	07.49	Converted from FTA to Pay w.e.f. 17.11.2009
		98	Adithya TV (vi)	18.19	Converted from FTA (Telugu-Music) to Pay (Tamil-Movies) w.e.f. 17.11.2009.
		99	Surya TV	12.31	Converted from FTA to Pay w.e.f 01.04.2010
		100	Kiran TV	18.19	Converted from FTA to Pay w.e.f 01.04.2010
		101	The Disney Channel	09.52	Prior to 01.04.2010, these channels were distributed by M/s Star Den Media Services Private Limited.
		102	Disney XD (vii)	09.52	
		103	Hangama TV	08.35	
		104	IBN 7	7.49	Earlier, "IBN 7" was distributed by M/s Star Den Media Services Private Limited as a FTA channel upto 14.08.2010.  W.e.f 14.08.2010, the channel has been converted from FTA to Pay.
		105	IBN Lokmat	7.86	The channel has been converted from FTA to Pay w.e.f 14.08.2010.
		106	Colors	21.40	Earlier these channels were distributed by M/s MSM Discovery India Private Limited upto 13.07.2010.
		107	MTV	7.49	
		108	NICK	6.42	
		109	VH 1	3.21	
		110	Sun News English	8.00	Channel launched on 09.01.2012
		111	Comedy Central	15.50	Channel launched on 23.01.2012
		112	SONIC	13.00	Channel launched on 20.12.2011

**Annexure 5.1 (contd.)**

<b>S. No</b>	<b>Name of the Broadcaster</b>	<b>S.No</b>	<b>Name of the channel</b>	<b>Reported Rates( in INR)</b>	<b>Remarks</b>
		113	CNBC TV 18	09.10	<p>These channels were distributed by M/s Zee Turner Limited upto 31.03.2008 at a-la-carte rate of Rs 7.50 (CNBC TV 18), Rs 2.00 (CNN-IBN) &amp; Rs 3.50 (CNBC Awaaz) respectively. M/s Star Den started distributing these channels w.e.f. 01.04.2008 at a-la-carte rate of Rs 08.50 (CNBC TV 18), Rs 05.00 (CNN IBN) and Rs 04.50 (CNBC Awaaz). M/s Star Den has been directed vide TRAI's Direction dated 28.08.2008 to reduce the a-la-carte rates of these channels from the reported level to Rs 7.50 (CNBC TV 18), Rs 2.00 (CNN-IBN) &amp; Rs 3.50 (CNBC Awaaz). Broadcaster has approached Hon'ble TDSAT against this direction vide Appeal No 11(C) of 2008. M/s Star Den has given an undertaking to Hon'ble TDSAT during the course of the hearing on October 1, 2008 for a-la-carte offering of the channels. The relevant extract of the interim order dated 1st October, 2008 is as under:-</p> <p>"...The learned counsel for the appellant adds without prejudice to the rights and contentions in the present appeal that if, in the meanwhile, any party wants to opt for a-la-carte, the appellant will give only the rates specified at page 58 para -7 of the paper book".</p> <p>The a-la-carte rates specified at page 58 para -7 of the paper book are as under:-</p> <ol style="list-style-type: none"> <li>1) 7.50 (CNBC TV 18)</li> <li>2) 2.00 (CNN-IBN)</li> <li>3) 3.50 (CNBC Awaaz)</li> </ol> <p>The matter was heard on 18.02.2009 by the Hon'ble TDSAT and the appeal has been disposed of by the Hon'ble TDSAT by passing following order:</p> <p>"In view of the judgement of this Tribunal dated 15.01.2009, the appeal does not survive".</p> <p>TRAI has filed an appeal in the Hon'ble Supreme Court of India against the order of Hon'ble TDSAT judgement dated 15.01.2009. Matter is sub-judice.</p> <p>W.e.f. 01.01.2009, rate of the channels increased to Rs 9.10 (CNBC TV 18), Rs 5.35 (CNN-IBN) &amp; Rs 4.82 (CNBC Awaaz) .</p>
		114	CNN-IBN	05.35	
		115	CNBC Awaaz	04.82	
		116	Gemini Life	11.13	

- i) Prior to 01.10.2010, , the name of the channel "Gemini Comedy" was "Teja TV"
- ii) Prior to 01.10.2010, , the name of the channel "Gemini Movies" was "Navvulu". Prior to 27.07.2009, the name of the channel "Navvulu" was "Gemini Cable Vision"
- iii) Prior to 09.04.2009, the name of the channel "Chintu TV (Kannada Kids)" was "Teja News (Telugu News)". As on 01.12.2007, the rate of the channel, "Teja News" was Rs 1.60. W.e.f 06.03.2009, the rate of the channel increased to Rs 1.72. W.e.f 09.04.2009, the "Teja News" was renamed as "Chintu TV".
- iv) Prior to 01.10.2010 , the name of the channel "Udaya Comedy" was "Ushe TV"
- v) Prior to 09.04.2009, the name of the channel "Kushi TV (Telugu Kids) was "Udaya News (Kannada news)". As on 01.12.2007, the rate of the channel "Udaya News" was Rs 1.50. W.e.f 06.03.2009, the rate of the channel increased to Rs 1.60. W.e.f 09.04.2009, "Udaya News" was renamed as Kushi TV.
- vi) Prior to 06.03.2009, channel "Adithya TV" was distributed @ Rs. 03.00. w.e.f. 06.03.2009, the channel "Adithya" has been converted from Pay to FTA. w.e.f 17.11.2009, the channel "Adithya TV" has been converted from FTA (Telugu Music) to Pay (Tamil Movies) channel @ 18.19/-.
- vii) Prior to 14.11.2009, the name of the channel "Disney XD" was "Toon Disney "

\* With effect from July 1, 2012, Sun Distribution Services Private Limited ("SDSPL", formerly known as 'Sun18 Media Services South Private Limited') has ceased to distribute **Viacom18 Channels** (Colors, MTV, Nick, Vh1, Sonic and Comedy Central) and **Network18 Channels** (CNBC-TV18, CNBC Awaaz, CNN-IBN, IBN7, IBN Lokmat and History TV18) in the states of Karnataka, Andhra Pradesh, Kerala and the Union Territories of Andaman & Nicobar Islands and Lakshadweep ("Territories").

However, SDSPL continues to distribute **Vacom18 Channels** and **Network18 channels** in the State of Tamil Nadu and the Union Territory of Pondicherry and the **Sun Channels** (KTV, Sun Music, Sun News, Gemini TV, Gemini Comedy, Udaya TV, Udaya Comedy, Chintu TV, Adithya TV, Kushi TV, Udaya Movies, Udaya News, Gemini News, Gemini Music, Gemini Movies, Sun TV, Udaya Music, Chutti TV, Surya TV, Kiran TV, Sun TV RI, Sun Life, Gemini Life, Sun News English, Sun Action, Gemini Action, Suriyan TV, Surya Action, Sun TV HD, K TV HD, Gemini TV HD, Sun Music HD and Kochu TV) and the **Disney Channels** (Disney Channel, Disney XD and Hungama TV) in the Territories and the State of Tamil Nadu and the Union Territory of Pondicherry.

**Annexure 5.1 (contd.)**

<b>S. No</b>	<b>Name of the Broadcaster</b>	<b>S.No</b>	<b>Name of the channel</b>	<b>Reported Rates( in INR)</b>	<b>Remarks</b>
5.	M/s Ushodaya Enterprises Private Limited	117	ETV	10.70	As on 01.12.2007, rate of the channel was Rs. 10.00 W.e.f. 01.11.2009, rate of the channel increased to Rs 10.70 .
		118	ETV 2	05.99	As on 01.12.2007, rate of the channel was Rs. 5.60 W.e.f. 01.11.2009, rate of the channel increased to Rs 5.99
		119	ETV Bangla	11.12	As on 01.12.2007, rate of the channel was Rs. 10.40 W.e.f. 01.11.2009, rate of the channel increased to Rs 11.12 .
		120	ETV Marathi	11.12	As on 01.12.2007, rate of the channel was Rs. 10.40 W.e.f. 01.11.2009, rate of the channel increased to Rs 11.12 .
		121	ETV Kannada	11.12	As on 01.12.2007, rate of the channel was Rs. 10.40 W.e.f. 01.11.2009, rate of the channel increased to Rs 11.12 .
		122	ETV Gujarathi	11.12	As on 01.12.2007, rate of the channel was Rs. 10.40 W.e.f. 01.11.2009, rate of the channel increased to Rs 11.12 .
		123	ETV Oriya	11.12	As on 01.12.2007, rate of the channel was Rs. 10.40 W.e.f. 01.11.2009, rate of the channel increased to Rs 11.12 .
		124	ETV UP	11.12	Converted from FTA to pay channel w.e.f. 12.05. 2008 @ rate of Rs 10.40. W.e.f. 01.11.2009, rate of the channel increased to Rs 11.12 .
		125	ETV Bihar	11.12	Converted from FTA to pay channel w.e.f. 12.05. 2008 @ rate of Rs 10.40. W.e.f. 01.11.2009, rate of the channel increased to Rs 11.12 .
		126	ETV Urdu	11.12	Converted from FTA to pay channel w.e.f. 12.05. 2008 @ Rs 10.40 W.e.f. 01.11.2009, rate of the channel increased to Rs 11.12 .
		127	ETV Rajasthan	11.12	Converted from FTA to pay channel w.e.f. 12.05. 2008 @ Rs 10.40 W.e.f. 01.11.2009, rate of the channel increased to Rs 11.12 .
		128	ETV MP	11.12	Converted from FTA to pay channel w.e.f. 12.05. 2008 @ Rs 10.40 W.e.f. 01.11.2009, rate of the channel increased to Rs 11.12 .

**Annexure 5.1 (contd.)**

<b>S. No</b>	<b>Name of the Broadcaster</b>	<b>S.No</b>	<b>Name of the channel</b>	<b>Reported Rates( in INR)</b>	<b>Remarks</b>
6	M/s UTV Global Broadcasting Limited	129	Bindass	10.00	
		130	UTV Action (#)	10.00	
		131	World Movies	10.00	Channel launched on 03.02.2008
		132	UTV Movies	15.00	Launching of channel, reported vide letter dated 11.03.2008
		133	UTV Action – Telugu	18.35	Channel launched on 26.06.2011
7	M/s BBC World (India) Private Limited	134	BBC World	05.35	As on 01.12.2007, rate of the channel was Rs. 5.00  W.e.f. 14.02.2011, rate of the channel increased to Rs 5.35
8	BBC Worldwide Media Private Limited (Erstwhile known as M/s BBC Worldwide Channels Private Limited)	135	BBC Entertainment	06.95	As on 01.12.2007, rate of the channel was Rs. 6.50  W.e.f. 14.02.2011, rate of the channel increased to Rs 6.95
		136	Cbeebies	06.95	As on 01.12.2007, rate of the channel was Rs. 6.50  W.e.f. 14.02.2011, rate of the channel increased to Rs 6.95
9	M/s ESPN Software India Private Limited	137	ESPN	35.45	As on 01.12.2007, rate of the channel was Rs. 33.13  W.e.f. 01.01.2009, rate of the channel to Rs 35.45
		138	Star Sports	35.45	As on 01.12.2007, rate of the channel was Rs. 33.13  W.e.f. 01.01.2009, rate of the channel to Rs 35.45
		139	Star Cricket	29.96	As on 01.12.2007, rate of the channel was Rs. 28.00  W.e.f. 01.01.2009, rate of the channel to Rs 29.96
		140	ESPNEWS	9.10	channel launched on 19.07.2011
10	M/s Raj Television Limited	141	Raj TV	11.77	As on 01.12.2007, rate of the channel was Rs. 11.00 (Rs. 7.72 in Andhra Pradesh).  W.e.f. 01.01.2009, rate of the channel increased to Rs 11.77(Rs 8.26 in Andhra Pradesh).
		142	Raj Digital Plus	08.26	As on 01.12.2007, rate of the channel was Rs. 7.72 (Rs 4.68 in Andhra Pradesh)  W.e.f. 01.01.2009, rate of the channel increased to Rs 8.26 (Rs 5.01 in Andhra Pradesh) .
		143	Vissa TV	05.01	As on 01.12.2007, rate of the channel was Rs. 4.68 (Rs. 11.00 in Andhra Pradesh)  W.e.f. 01.01.2009, rate of the channel increased to Rs 5.01 (Rs 11.77 in Andhra Pradesh).
		144	Raj Musix	5.00	
		145	Raj News (24X7)	4.00	
11	M/s 9X Media Private Limited(###)	146	9XM	07.00	
		147	9X Jhakaas	5.00	Channel launched on 31.08.2011

**Annexure 5.1 (contd.)**

<b>S. No</b>	<b>Name of the Broadcaster</b>	<b>S.No</b>	<b>Name of the channel</b>	<b>Reported Rates( in INR)</b>	<b>Remarks</b>
		148	9XO	5.00	Channel launched on 24.04.2012
		149	9X Jalwa	5.00	Channel launched on 25.02.2012
12	M/s ABS Media Services Private Limited	150	Sahara One	20.50	Converted from FTA to Pay w.e.f. 06.06.2008
		151	Filmy	16.50	Converted from FTA to Pay w.e.f. 06.06.2008
13.	M/s B4U Television Network (India) Private Limited	152	B4U Movies	06.65	Reported on 25.11.2010, the rate of the channel revised from Rs. 6.00 to Rs 6.65.
14.	M/s MAA Television Network Limited	153	MAA TV	06.00	As on 01.12.2007, the rate of the channel was Rs. 5.50 w.e.f. 01.08.2009, rate of the channel increased to Rs 6.00.
		154	MAA Music	07.50	As on 01.01.2008, the rate of the channel was Rs. 7.00 w.e.f. 01.08.2009, rate of the channel increased to Rs 7.50.
		155	MAA Movies	18.50	Channel launched on 07.07.2010
		156	MAA Junior	13.50	Channel launched on 07.07.2010
15	M/s TV Today Network Limited	157	Dilli Aaj Tak	08.50	
16.	M/s Allied Infotainment Distribution Private Limited	158	E-24	15.00	Channel launched on. 27.03.2008
17	M/s Turner International India Private Limited	159	Boomerang	10.00	
		160	TCM Turner Classic Movies	10.00	
18	M/s Odisha Television Ltd	161	Tarang	10.70	As on 06.11.2008, the rate of the channel was Rs 10/- w.e.f 01.06.2010, rate of the channel increased to Rs 10.70.
		162	Tarang Music	05.00	
		163	Prarthana	05.00	
19	M/s Media Network & Distribution (India) Limited	164	ET NOW	08.50	Channel launched on. 27.06.2009.
		165	Times Now	09.10	As on 01.12.2007, rate of the channel was Rs. 8.50 w.e.f. 01.01.2009, rate of the channel increased to Rs 9.10 .
		166	Zoom	08.35	As on 01.12.2007, rate of the channel was Rs. 7.80 w.e.f. 01.01.2009, rate of the channel increased to Rs 8.35 .

**Annexure 5.1 (contd.)**

<b>S. No</b>	<b>Name of the Broadcaster</b>	<b>S.No</b>	<b>Name of the channel</b>	<b>Reported Rates( in INR)</b>	<b>Remarks</b>
20	M/s Taj Television India Private Limited	167	Ten Sports	16.05	Channel "Ten Sports" was distributed by M/s MSM Discovery India Private Limited upto 31.03.2008.  w.e.f 01.04.2008, channel "Ten Sports" shifted to M/s Zee Turner Limited.  Channel "'Ten Sports' was distributed by M/s Zee Turner Limited upto 31.01.2010.  w.e.f 31.01.2010, the distribution of channel shifted to M/s Taj Television India Private Limited.
		168	Ten Cricket	35.45	Channel launched on 10.08.2010
		169	Ten Action	35.00	Channel launched on 10.04.2012
21	M/s BIG CBS Networks Limited	170	BIG CBS PRIME	14.00	Channel launched on 15.11.2010
		171	BIG CBS LOVE	11.00	Channel launched on 15.03.2011
		172	BIG CBS SPARK	11.00	Channel launched on 02.05.2011
		173	BIG CBS Spark Punjabi	11.00	Channel launched on 14.01.2012
22	M/s Reliance Television Private Limited	174	BIG MAGIC	11.00	Converted from FTA to Pay w.e.f. 15.09.2011
		175	Bloomberg UTV (#)	08.50	w.e.f. 01.04.2012, the channel has been shifted from M/s UTV Global Broadcasting Ltd. to M/s Reliance Television Private Limited.
23	M/s Paul Entertainment Pvt Ltd	176	9X Tashan	5.00	Channel launched on 31.08.2011
24	M/s Sarthak Entertainment Pvt Limited	177	Sarthak TV	9.50	Converted from FTA to Pay w.e.f. 20.05.2011
25	Mavis Satcom Limited	178	Jaya TV	9.00	Converted from FTA to Pay w.e.f. 16.12.2011
		179	Jaya Plus	4.00	Converted from FTA to Pay w.e.f. 16.12.2011
		180	Jaya Max	6.00	Converted from FTA to Pay w.e.f. 16.12.2011
		181	J Movies	6.00	Converted from FTA to Pay w.e.f. 16.12.2011
26	M/s SilverStar Communications Limited	182	Mega TV	5.00	
		183	Mega Musiq	5.00	
		184	Mega 24	5.00	

- i) Prior to 10.12.2009, , the name of the channel "UTV Action " was "Bindass Movies"
- ii) Prior to 25.09.2009, the name of the channel "Bloomberg UTV " was "UTVi"
- iii) Prior to 01.04.2010, the channels, namely "Sahara One" & "Filmy", were distributed by M/s Mega Reach Distributors (India) Pvt. Limited. "Sahara one" and "Filmy" channels are now being distributed by M/s ABS Media Services Private Limited.
- v) Prior to 30.10.2010, the name of the company " M/s 9X Media Private Limited " was "M/s INX Media Private Limited"
- vi) Prior to 23.09.2010 , the name of the channel "Ten Action +" was "Zee Sports". W.e.f. 20.07.2012, the channel "Ten Action +" has been discontinued for all delivery platforms.
- viii) w.e.f. 06.07.2012 the channel, "Lumiere Movies" has been suspended in India.
- ix) w.e.f. 19.01.2011 the channel "Imagine Showbiz" has been discontinued.

### Annexure 5.2: List of operational private FM Radio Stations in India

S.NO.	CITY	NAME OF THE COMPANY	CHANNEL IDENTITY	DATE OF OPERATIONALISATION	REMARKS
1	DELHI	CLEAR MEDIA	HIT-FM	01.09.2006	
2	DELHI	DIGITAL RADIO	RED-FM	29.04.2003	ALREADY IN OPERATION FROM PHASE-I
3	DELHI	E.N.I.L.	RADIO- MIRCHI	29.04.2003	ALREADY IN OPERATION FROM PHASE-I
4	DELHI	H.T. MEDIA	FEVER 104	30.10.2006	
5	DELHI	M.B.P.L.	RADIO-CITY	29.04.2003	ALREADY IN OPERATION FROM PHASE-I
6	DELHI	RADIO-ONE LTD.	RADIO-ONE [1]	23.09.2006	
7	DELHI	T.V. TODAY BROADCASTING LTD	RADIO- MEOW	28.05.2007	
8	DELHI	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	24-09-2006	
9	MUMBAI	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	14.11.2006	
10	MUMBAI	DIGITAL RADIO	RED-FM	29.04.2002	ALREADY IN OPERATION FROM PHASE-I
11	MUMBAI	E.N.I.L.	RADIO- MIRCHI	29.04.2002	ALREADY IN OPERATION FROM PHASE-I
12	MUMBAI	H.T. MEDIA	FEVER 104	15.01.2007	
13	MUMBAI	M.B.P.L.	RADIO-CITY	21.05.2002	ALREADY IN OPERATION FROM PHASE-I
14	MUMBAI	T.V. TODAY BROADCASTING LTD	RADIO- MEOW	26.01.2008	
15	MUMBAI	RADIO-ONE LTD.	RADIO-ONE [1]	29.04.2003	ALREADY IN OPERATION FROM PHASE-I
16	KOLKATA	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	21.10.2006	
17	KOLKATA	T.V. TODAY BROADCASTING LTD	RADIO- MEOW	04.10.2007	
18	KOLKATA	ANANDA OFFSET	FRIEND 91.9	28.02.2007	
19	KOLKATA	DIGITAL RADIO	RED-FM	03.05.2003	ALREADY IN OPERATION FROM PHASE-I



**Annexure 5.2 (Contd.)**

<b>S.NO.</b>	<b>CITY</b>	<b>NAME OF THE COMPANY</b>	<b>CHANNEL IDENTITY</b>	<b>DATE OF OPERATIONALISATION</b>	<b>REMARKS</b>
20	KOLKATA	E.N.I.L.	RADIO- MIRCHI	03.05.2003	ALREADY IN OPERATION FROM PHASE-I
21	KOLKATA	HITZ FM	POWER-FM	03.05.2003	ALREADY IN OPERATION FROM PHASE-I
22	KOLKATA	INDIA FM	AMAR-FM	03.05.2003	ALREADY IN OPERATION FROM PHASE-I
23	KOLKATA	RADIO-ONE LTD.	RADIO-ONE [1]	12.12.2008	
24	KOLKATA	H.T. MEDIA	FEVER 104	23.01.2008	
25	CHENNAI	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	27.09.2006	
26	CHENNAI	E.N.I.L.	RADIO- MIRCHI	05.05.2003	ALREADY IN OPERATION FROM PHASE-I
27	CHENNAI	M.B.P.L.	RADIO-CITY	10.07.2006	
28	CHENNAI	MALAR PUBLICATIONS	HELLO-FM	02.10.2006	
29	CHENNAI	MUTHOOT BROADCASTING PVT. LTD.	CHENNAI LIVE	04.01.2008	
30	CHENNAI	NOBLE BROADCASTING	AAHAA-FM	18.01.2007	
31	CHENNAI	RADIO-ONE LTD.	RADIO-ONE [1]	10.01.2007	
32	CHENNAI	SUN TV	SURYANA FM	05.05.2003	ALREADY IN OPERATION FROM PHASE-I
33	AGARTALA	POSITIVE RADIO	OOLALA FM	07.08.2007	
34	AGRA	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	18.08.2007	
35	AGRA	SHRI PURAN MULTIMEDIA	MANTRA FM	08.07.2007	
36	AHMEDABAD	E.N.I.L.	RADIO- MIRCHI	10.12.2001	ALREADY IN OPERATION FROM PHASE-I
37	AHMEDABAD	M.B.P.L.	RADIO-CITY	25.07.2007	
38	AHMEDABAD	RADIO-ONE LTD.	RADIO-ONE [1]	26.08.2007	
39	AHMEDABAD	SOUTH ASIA	S. FM	20.04.2008	
40	AHMEDABAD	D. B. CORP.	MY-FM	21.07.2007	
41	AHMEDNAGAR	B.A.G. INFOTAINMENT	RADIO- DHAMAL	01.03.2008	
42	AHMEDNAGAR	M.B.P.L.	RADIO-CITY	07.02.2008	
43	AJMER	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	28-08-2007	
44	AJMER	D. B. CORP.	MY-FM	31.08.2007	
45	AKOLA	M.B.P.L.	RADIO-CITY	13.03.2008	
46	ALIGARH	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	08.12.2006	
47	ALLAHABAD	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	29.10.2007	
48	ALLAHABAD	SOUTH ASIA	S. FM	18.03.2008	

**Annexure 5.2 (Contd.)**

<b>S.NO.</b>	<b>CITY</b>	<b>NAME OF THE COMPANY</b>	<b>CHANNEL IDENTITY</b>	<b>DATE OF OPERATIONALISATION</b>	<b>REMARKS</b>
49	AMRITSAR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	01.08.2007	
50	AMRITSAR	T.V. TODAY BROADCASTING LTD	RADIO- MEOW	15.05.2008	
51	AMRITSAR	D. B. CORP.	MY-FM	27-07-2007	
52	ASANSOL	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	29.06.2007	
53	ASANSOL	SOUTH ASIA	S. FM	03.06.2008	
54	AURANGABAD	E.N.I.L.	RADIO- MIRCHI	24.07.2007	
55	AURANGABAD	SOUTH ASIA	S. FM	21.04.2008	
56	BANGALURU	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	09.10.2006	
57	BANGALURU	E.N.I.L.	RADIO- MIRCHI	17.04.2006	
58	BANGALURU	H.T. MEDIA	FEVER 104	06.03.2007	
59	BANGALURU	INDIA RADIO VENTURES	RADIO- INDIGO	01.10.2006	
60	BANGALURU	KAL RADIO	S. FM	06.11.2006	
61	BANGALURU	M.B.P.L.	RADIO-CITY	10.06.2001	ALREADY IN OPERATION FROM PHASE-I
62	BANGALURU	RADIO-ONE LTD.	RADIO-ONE [1]	01.08.2006	
63	BAREILLY	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	30.03.2007	
64	BAREILLY	SHRI PURAN MULTIMEDIA	MANTRA FM	09.04.2007	
65	BHOPAL	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	20.05.2007	
66	BHOPAL	E.N.I.L.	RADIO- MIRCHI	26.05.2007	
67	BHOPAL	SOUTH ASIA	S. FM	06.11.2007	
68	BHOPAL	D. B. CORP.	MY-FM	26.05.2007	
69	BHUBANESHWAR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	14.04.2007	
70	BHUBANESHWAR	EASTERN MEDIA	CHOCOLATE	04.05.2007	
71	BHUBANESHWAR	SOUTH ASIA	S. FM	28.06.2007	
72	BIKANER	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	19.01.2007	
73	BILASPUR	D. B. CORP.	MY-FM	27.09.2007	
74	CHANDIGARH	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	12.02.2007	
75	CHANDIGARH	D. B. CORP.	MY-FM	19.02.2007	
76	COIMBATORE	E.N.I.L.	RADIO- MIRCHI	03.11.2007	
77	COIMBATORE	M.B.P.L.	RADIO-CITY	12.11.2007	
78	COIMBATORE	MALAR PUBLICATIONS	HELLO-FM	29.10.2007	
79	COIMBATORE	SUN TV	SURYANA FM	07.03.2003	ALREADY IN OPERATION FROM PHASE-I
80	DHULE	B.A.G. INFOTAINMENT	RADIO- DHAMAL	15.08.2007	

**Annexure 5.2 (Contd.)**

S.NO.	CITY	NAME OF THE COMPANY	CHANNEL IDENTITY	DATE OF OPERATIONALISATION	REMARKS
81	GANGTOK	CHINAR CIRCUITS	NINE-91.9 FM	10.08.2008	
82	GANGTOK	PCM CEMENTS	MISTY FM	31.01.2009	
83	GANGTOK	SOUTH ASIA	S.FM		
84	GORAKHPUR	SHRI PURAN MULTIMEDIA	MANTRA FM	03.06.2007	
85	GULBERGA	KAL RADIO	S. FM	02.06.2008	
86	GUWAHATI	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	14.04.2007	
87	GUWAHATI	POSITIVE RADIO	OOLALA FM	13.04.2007	
88	GUWAHATI	PURVY BROADCASTING	GUP-SHUP	09.10.2007	
89	GUWAHATI	SOUTH ASIA	S. FM	11.04.2008	
90	GWALIOR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	06.08.2007	
91	GWALIOR	GWALIOR FARMS	CHASKA	04.08.2007	
92	GWALIOR	ITM SOFTWARE	SUNO LEMON	07.09.2007	
93	GWALIOR	D. B. CORP.	MY-FM	06.08.2007	
94	HISSAR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	02.03.2007	
95	HISSAR	B.A.G. INFOTAINMENT	RADIO- DHAMAL	18.06.2007	
96	HISSAR	SHRI PURAN MULTIMEDIA	MANTRA FM	21.03.2007	
97	HYDERABAD	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	25.09.2006	
98	HYDERABAD	E.N.I.L.	RADIO- MIRCHI	19.04.2006	
99	HYDERABAD	KAL RADIO	S. FM	06.11.2006	
100	HYDERABAD	M.B.P.L.	RADIO-CITY	30.05.2006	
101	INDORE	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	03.08.2007	
102	INDORE	E.N.I.L.	RADIO- MIRCHI	01.10.2001	ALREADY IN OPERATION FROM PHASE-I
103	INDORE	SOUTH ASIA	S. FM	09.12.2007	
104	INDORE	D. B. CORP.	MY-FM	11.08.2007	
105	ITANAGAR	POSITIVE RADIO	OOLALA FM	05.08.2008	
106	JABALPUR	B.A.G. INFOTAINMENT	RADIO- DHAMAL	01.03.2008	
107	JABALPUR	E.N.I.L.	RADIO- MIRCHI	15.02.2008	
108	JABALPUR	SOUTH ASIA	S. FM	19.03.2008	
109	JABALPUR	D. B. CORP.	MY-FM	15.02.2008	
110	JAIPUR	E.N.I.L.	RADIO- MIRCHI	17.04.2006	
111	JAIPUR	M.B.P.L.	RADIO-CITY	08.09.2006	
112	JAIPUR	RAJASTHAN PATRIKA	RADIO- TADKA	15.08.2006	
113	JAIPUR	SOUTH ASIA	S. FM	06.11.2006	
114	JAIPUR	D. B. CORP.	MY-FM	28.05.2006	
115	JALANDHAR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	14.04.2007	
116	JALANDHAR	E.N.I.L.	RADIO- MIRCHI	24.04.2007	
117	JALANDHAR	SHRI PURAN MULTIMEDIA	MANTRA FM	14.04.2007	
118	JALANDHAR	D. B. CORP.	MY-FM	19.04.2007	
119	JALGOAN	B.A.G. INFOTAINMENT	RADIO- DHAMAL	22.04.2008	
120	JALGOAN	M.B.P.L.	RADIO-CITY	21.05.2008	

**Annexure 5.2 (Contd.)**

<b>S.NO.</b>	<b>CITY</b>	<b>NAME OF THE COMPANY</b>	<b>CHANNEL IDENTITY</b>	<b>DATE OF OPERATIONALISATION</b>	<b>REMARKS</b>
121	JAMMU	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	07.12.2006	
122	JAMSHED PUR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	07.11.2007	
123	JAMSHED PUR	SOUTH ASIA	S. FM	13.04.2008	
124	JAMSHED PUR	NEUTRAL PUBLICATION	DHOOM FM	18.07.2008	
125	JHANSI	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	19.01.2007	
126	JODHPUR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	14.12.2007	
127	JODHPUR	T.V. TODAY BROADCASTING LTD	RADIO- MEOW	01.06.2008	
128	JODHPUR	D. B. CORP.	MY-FM	20.12.2007	
129	KANNUR	ASIANET RADIO PVT. LTD.	BEST FM	13.01.2008	
130	KANNUR	KAL RADIO	S. FM	12.03.2008*	
131	KANNUR	MALAYALLA MANORAMA	MANGO FM	30.12.2007	
132	KANNUR	THE MATHRABHUMI	CLUB-FM	30.12.2007	
133	KANPUR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	14.06.2007	
134	KANPUR	E.N.I.L.	RADIO- MIRCHI	16.06.2007	
135	KANPUR	SOUTH ASIA	S. FM	28.01.2008	
136	KARNAL	B.A.G. INFOTAINMENT	RADIO- DHAMAL	18.06.2007	
137	KARNAL	SHRI PURAN MULTIMEDIA	MANTRA FM	02.04.2007	
138	KOCHI	KAL RADIO	S. FM	17.05.2008*	
139	KOCHI	MALAYALLA MANORAMA	MANGO FM	18.05.2008	
140	KOCHI	THE MATHRABHUMI	CLUB-FM	17.05.2008	
141	KOLHAPUR	E.N.I.L.	RADIO- MIRCHI	18.09.2007	
142	KOLHAPUR	PUDHARI PUBLICATION	TOMOTO FM	21.09.2007	
143	KOTA	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	21.01.2008	
144	KOTA	RAJASTHAN PATRIKA	RADIO- TADKA	25.02.2008	
145	KOTA	D. B. CORP.	MY-FM	02.02.2008	
146	KOZHICKODE	KAL RADIO	S. FM	07.12.2007	
147	KOZHICKODE	MALAYALLA MANORAMA	MANGO FM	29.11.2007	
148	LUCKNOW	E.N.I.L.	RADIO- MIRCHI	13.08.2007	
149	LUCKNOW	M.B.P.L.	RADIO-CITY	10.12.2001	ALREADY IN OPERATION FROM PHASE-I
150	LUCKNOW	SOUTH ASIA	S. FM	06.11.2007	
151	MADURAI	E.N.I.L.	RADIO- MIRCHI	28-09.2007	
152	MADURAI	KAL RADIO	S. FM	05.10.2007	
153	MADURAI	MALAR PUBLICATIONS	HELLO-FM	01.10.2007	
154	MANGALORE	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	24.11.2007	
155	MANGALORE	E.N.I.L.	RADIO- MIRCHI	24.11.2007	
156	MANGALORE	KAL RADIO	S. FM	21.02.2008	
157	MUZAFFARPUR	B.A.G. INFOTAINMENT	RADIO- DHAMAL	01.08.2007	
158	MYSORE	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	14.10.2007	
159	MYSORE	KAL RADIO	S. FM	07.12.2007	
160	NAGPUR	E.N.I.L.	RADIO- MIRCHI	18.10.2007	

**Annexure 5.2 (Contd.)**

<b>S.NO.</b>	<b>CITY</b>	<b>NAME OF THE COMPANY</b>	<b>CHANNEL IDENTITY</b>	<b>DATE OF OPERATIONALISATION</b>	<b>REMARKS</b>
161	NAGPUR	M.B.P.L.	RADIO-CITY	21.10.2007	
162	NAGPUR	SOUTH ASIA	S. FM	04.05.2008	
163	NAGPUR	D. B. CORP.	MY-FM	21.10.2007	
164	NANDED	M.B.P.L.	RADIO-CITY	15.05.2008	
165	NASIK	E.N.I.L.	RADIO- MIRCHI	06.07.2007	
166	NASIK	SOUTH ASIA	S. FM	16.04.2008	
167	PANAJI	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	22.05.2007	
168	PANAJI	E.N.I.L.	RADIO- MIRCHI	22.05.2007	
169	PANAJI	INDIA RADIO VENTURES	RADIO INDIGO	25.06.2007	
170	PATIALA	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	01.08.2007	
171	PATIALA	B.A.G. INFOTAINMENT	RADIO- DHAMAL	18.06.2007	
172	PATIALA	T.V. TODAY BROADCASTING LTD	RADIO- MEOW	01.06.2008	
173	PATNA	E.N.I.L.	RADIO- MIRCHI	02.04.2007	
174	PUDUCHERRY (UT)	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	01.12.2007	
175	PUDUCHERRY (UT)	KAL RADIO	S. FM	20.12.2007	
176	PUDUCHERRY (UT)	MALAR PUBLICATIONS	HELLO-FM	22.12.2007	
177	PUNE	E.N.I.L.	RADIO- MIRCHI	18.10.2002	ALREADY IN OPERATION FROM PHASE-I
178	PUNE	M.B.P.L.	RADIO-CITY	06.04.2008	
179	PUNE	RADIO-ONE LTD.	RADIO-ONE [1]	12.05.2008	
180	PUNE	SOUTH ASIA	S. FM	22.07.2008	
181	RAIPUR	E.N.I.L.	RADIO- MIRCHI	11.01.2008	
182	RAIPUR	RAJASTHAN PATRIKA	RADIO- TADKA	10.02.2009	
183	RAIPUR	RANEKA FINCOM	RANGILA 104.8	15.01.2008	
184	RAIPUR	D. B. CORP.	MY-FM	16.01.2008	
185	RAJAHMUNDRY	KAL RADIO	S. FM	19.01.2008	
186	RAJKOT	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	13.06.2007	
187	RAJKOT	E.N.I.L.	RADIO- MIRCHI	13.06.2007	
188	RAJKOT	SOUTH ASIA	S. FM	18.04.2008	
189	RANCHI	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	24.10.2007	
190	RANCHI	B.A.G. INFOTAINMENT	RADIO- DHAMAL	15.11.2007	
191	RANCHI	SHRI PURAN MULTIMEDIA	MANTRA FM	27.10.2007	
192	RANCHI	NEUTRAL PUBLICATION	DHOOM FM	18.07.2008	
193	ROURKELA	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	06.01.2008	
194	ROURKELA	EASTERN MEDIA	RADIO- CHOCOLATE	22.01.2008	
195	SANGLI	M.B.P.L.	RADIO-CITY	08.02.2008	
196	SANGLI	PUDHARI PUBLICATION	TOMOTO FM	21.09.2009	
197	SHILLONG	POSITIVE RADIO	OOLALA FM	16.10.2007	
198	SHILLONG	SOUTH ASIA	S. FM	13.06.2008	
199	SHIMLA	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	25.06.2009	Freq. change 14-09-2009

**Annexure 5.2 (Contd.)**

<b>S.NO.</b>	<b>CITY</b>	<b>NAME OF THE COMPANY</b>	<b>CHANNEL IDENTITY</b>	<b>DATE OF OPERATIONALISATION</b>	<b>REMARKS</b>
200	SHIMLA	T.V. TODAY BROADCASTING LTD	RADIO- MEOW	01.10.2009	
201	SHIMLA	B.A.G. INFOTAINMENT	RADIO- DHAMAL	30.11.2009	
202	SHOLAPUR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	08.11.2007	
203	SHOLAPUR	M.B.P.L.	RADIO-CITY	14.11.2007	
204	SILIGURI	CHINAR CIRCUITS	NINE-91.9 FM	12.03.2008	
205	SILIGURI	PCM CEMENTS	MISTY FM	14.11.2007	
206	SILIGURI	SYNTECH INFORMATICS	HIGH FM	24.11.2007	
207	SILIGURI	SOUTH ASIA	S. FM	25.10.2008	
208	SRI-NAGAR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	10.12.2006	
209	SURAT	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	29.08.2007	
210	SURAT	E.N.I.L.	RADIO- MIRCHI	21.08.2007	
211	SURAT	D. B. CORP.	MY-FM	27.08.2007	
212	SURAT	M.B.P.L.	RADIO-CITY	22.08.2007	
213	THIRUVANANTHA-PURAM	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	29.01.2008	
214	THIRUVANANTHA-PURAM	E.N.I.L.	RADIO- MIRCHI	29.01.2008	
215	THIRUVANANTHA-PURAM	KAL RADIO	S. FM	06.02.2008	
216	THIRUVANANTHA-PURAM	THE MATHRABHUMI	CLUB-FM	29.01.2008	
217	THRISSUR	ASIANET RADIO PVT. LTD.	BEST FM	23.12.2007	
218	THRISSUR	KAL RADIO	S. FM	26.12.2007	Frq. Change 18-9-2009
219	THRISSUR	MALAYALLA MANORAMA	MANGO FM	14.12.2007	
220	THRISSUR	THE MATHRABHUMI	CLUB-FM	14.12.2007	
221	TIRUCHI	KAL RADIO	S. FM	17.01.2008	
222	TIRUCHI	MALAR PUBLICATIONS	HELLO-FM	14.01.2008	
223	TIRUNELVELI	MALAR PUBLICATIONS	HELLO-FM	13.10.2007	
224	TIRUNELVELI	SUN TV	SURYANA FM	07.03.2003	ALREADY IN OPERATION FROM PHASE-I
225	TIRUPATI	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	01.08.2007	
226	TIRUPATI	KAL RADIO	S. FM	27.08.2007	
227	TUTICORIN	KAL RADIO	S. FM	05.10.2007	
228	TUTICORIN	MALAR PUBLICATIONS	HELLO-FM	15.10.2007	
229	UDAIPUR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	03.08.2007	
230	UDAIPUR	RAJASTHAN PATRIKA	RADIO- TADKA	27.08.2007	
231	UDAIPUR	D. B. CORP.	MY-FM	07.07.2007	
232	VADODARA	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	05.06.2007	
233	VADODARA	E.N.I.L.	RADIO- MIRCHI	05.06.2007	
234	VADODARA	M.B.P.L.	RADIO-CITY	11.06.2007	

**Annexure 5.2 (Contd.)**

<b>S.NO.</b>	<b>CITY</b>	<b>NAME OF THE COMPANY</b>	<b>CHANNEL IDENTITY</b>	<b>DATE OF OPERATIONALISATION</b>	<b>REMARKS</b>
235	VADODARA	SOUTH ASIA	S. FM	17.04.2008	
236	VARANASI	E.N.I.L.	RADIO- MIRCHI	14.07.2007	
237	VARANASI	SHRI PURAN MULTIMEDIA	MANTRA FM	20.07.2007	
238	VARANASI	SOUTH ASIA	S. FM	29.12.2007	
239	VIJAYWADA	E.N.I.L.	RADIO- MIRCHI	11.12.2007	
240	VIJAYWADA	KAL RADIO	S. FM	25.12.2007	
241	VISHAKAPATNAM	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	27.10.2007	
242	VISHAKAPATNAM	E.N.I.L.	RADIO- MIRCHI	26.10.2007	
243	VISHAKAPATNAM	M.B.P.L.	RADIO-CITY	29.10.2007	
244	VISHAKAPATNAM	UDAYA TV	VISAKHA FM	06.02.2003	ALREADY IN OPERATION FROM PHASE-I
245	WARANGAL	KAL RADIO	S. FM	28.05.2008	

**Source:** Ministry of Information & Broadcasting

### **Annexure 5.3: List of applicants who have been granted DTH License**

- 1. M/s. Tata Sky Ltd.,**  
3<sup>rd</sup> Floor, Bombay Dyeing A.O. Building,  
Pandurang Budhkar Marg, Worli,  
Mumbai – 400 025  
Tel: 022-6613 3000  
Fax-022-6613 3030/6616 3013
  
- 2. M/s Dish TV India Ltd.**  
FC-9, Sector-16A, Film City,  
Noida-201301  
Tel: 91-120-2511064-78  
Fax: 91-120-2511186
  
- 3. SUN Direct TV(P) Ltd.**  
Murasoli Maran Towers, 73, MRC Nagar,  
Main Road, MRC Nagar, Chennai – 28  
PH: 044-44676767
  
- 4. Bharti Telemedia Ltd.**  
Airtel centre, Plot No 16, Udyog Vihar Phase IV, ,  
Gurgaon – 122015  
Ph: 0124-4222222
  
- 5. Reliance Big TV Pvt. Ltd.**  
3<sup>rd</sup> Floor, B-Wing,  
Reliance Centre, Maharaja Ranjit Singh Marg,  
New Delhi – 110 002  
Ph: 011-30332832
  
- 6. M/s Bharat Business Channel Ltd.**  
Uplink Centre, Plot No 1D,  
Udyog Vihar, Industrial Area,  
Greater NOIDA, Distt, Gautam Budh Nagar , - 201 306  
PH: 0120-6141000



**Annexure 5.4: List of permitted teleports at various locations in India**  
**[As on 29/12/2011]**

<b>Sr.No</b>	<b>Name of Teleport</b>	<b>Address</b>	<b>Location</b>	<b>Date of Permission</b>
1	TV TODAY NETWORK LIMITED	TV TODAY NETWORK LIMITED FC-8, SECTOR-16A, NOIDA(UP)	NEW DELHI	22-Nov-00
2	SUN TV LTD.	R S NO. 4288/72,73 & 116, BLOCK NO. 94, MRC NAGAR CHENNAI-600018	CHENNAI	12-Mar-01
3	ENTERTAINMENT TELEVISION NETWORK PVT.LTD	7B, SHAH INDUSTRIAL ESTATE, OFF VEERA DESAI ROAD, ANDHERI W , MUMBAI-400053	MUMBAI	23-May-01
4	USHODAYA ENTERPRISES LTD.	6-3-570, EENADU COMPLEX, SOMAJIGUDA, HYDERABAD-500082	HYDERABAD	23-May-01
5	ESSEL SHYAM COMMUNICATION LIMITED	C-34,SECTOR-62,ELECTRONIC CITY,NOIDA-201307	NOIDA	3-Sep-01
6	ASIANET INFRASTRUCTURE PVT. LTD.	ASIANET STUDIO/COMPLEX, PULIYARAKONAM P.O. THIRUVANANTHAPURAM KERALA	THIRUVANANTHAPURAM	17-Oct-01
7	ESSEL SHYAM COMMUNICATION LTD	C-34, ELECTRONIC CITY,SECTOR-62, NOIDA-201307	NOIDA-2	7-Feb-02
8	SAHARA SANCHAR LIMITED	SAHARA INDIA COMPLEX, C-2, C-3, SECTOR XI NOIDA-201301 U.P	NOIDA	12-Feb-02
9	TELEVISION EIGHTEEN INDIA LIMITED	VIDEOCON TOWER, E-1 RANI JHANSI ROAD, JHANDEWALAN EXTN., NEW DELHI-110055	NEW DELHI	18-Mar-02
10	NEW DELHI TELEVISION LTD. (NDTV)	ARCHANA COMPLEX, GREATER KAILASH-I NEW DELHI-110048	NEW DELHI	11-Jun-02
11	INDIAVISION COMMUNICATIONS LTD.	SATELLITE TATU'S TOWER, 32/1787,PADIVATTOM, NH BY-PASS ROAD, KOCHI(KERALA) 682024	KOCHI -KERALA	7-Nov-02
12	NOIDA SOFTWARE TECHNOLOGY PARK LTD.	B-23-25, POCKET C, SURAJPUR INDUSTRIAL AREA, GREATER NOIDA(U.P)	GREATER NOIDA	27-Jan-03
13	DISH TV INDIA LIMITED (Formerly known ASCEnterprises Ltd.)	FC-19, SECTOR-16A, NOIDA-201301 (U.P.)	NOIDA	2-Apr-03
14	POSITIVE TELEVISION PVT. LTD.	7 C, DOCTORS LANE, GOL MARKET, NEW DELHI-110001	GUWAHATI	9-Jun-03
15	CHANNEL GUIDE INDIA LTD.	BOKADIA MANSION, 3RD FLOOR,229, PRINCESS STREET, MUMBAI	MUMBAI	15-Sep-03
16	INDIASIGN PVT. LTD.	A-49, SECTOR 18, ELECTRONICS CITY, HARTRON COMPLEX, GURGAON(HARYANA)	GURGAON	18-Nov-03
17	ASSOCIATED BROADCASTING PVT. LTD.	CO.NO.97, ROAD NO.3, BANJARA HILLS,HYDERABAD-500034	HYDERABAD	24-Nov-03
18	AV ENTERTAINMENT PVT. LTD.	240, ZONE-I, M.P.NAGER, BHOPAL(M.P)	BHOPAL	15-Dec-03
19	TELEVISION EIGHTEEN INDIA LIMITED	EMPIRE COMPLEX, 414, SENAPATI BAPAT MARG, LOWER PAREL, MUMBAI-400013	MUMBAI	19-Mar-04
20	AMRITA ENTERPRISES PVT. LTD.	TC NO.15/1069, AMRITA, GANDHI NAGER, VAZHUTHANCADU, THIRUVANANTHAPURAM-695014	THIRUVANANTHAPURAM	20-Apr-04
21	MAVIS SATCOM LIMITED	NO.48 NP, JAWAHARLAL NEHRU ROAD, EKKATUTHANGAL, CHENNAI-600092	CHENNAI	22-Apr-04

### Annexure 5.4 (Contd.)

22	TATA COMMUNICATIONS LTD.VSNL	VSNL, TECHNICAL COMPLEX, SDF BUILDING, SALT LAKE, KOLKATTA-700091	KOLKATTA	14-May-04
23	TATA COMMUNICATIONS LTD. VSNL	VSNL, VSB, KAKKANAD, THIRKKAKARA, ERNAKULAM, COACHIN-682030	COCHIN	14-May-04
24	TATA COMMUNICATIONS LTD., VSNL,	THIRUVELLUVAR SATELLITE VSNL EARTH STATION, REDHILLS ROAD, AMBATTUR, CHENNAI-600053	CHENNAI	14-May-04
25	TATA COMMUNICATIONS LTD.,VSNL	VSNL, VSB, BANGLA SAHAB ROAD, NEW DELHI-110001	NEW DELHI	14-May-04
26	TATA COMMUNICATIONS LTD., VSNL	VSNL,VSB, FORT, MG ROAD, MUMBAI-400001	MUMBAI	14-May-04
27	LAMHAS SATELLITE LTD.	SERVICES 161, TOWER I, INTERNATIONAL INFOTECH PARK, VASHI, NAVI MUMBAI	MUMBAI	10-Aug-04
28	MALAYALAM COMMUNICATIONS LTD.	MALAYALAM COMMUNICATIONS LTD. CHANDRAGIRI61,VIKRAMPURAM HILLS,KOWDIAR P.O., THIRUVANANTHAPURAM-695003	THIRUVANANTHAPURAM	22-Dec-04
29	SANSKAR INFO TV PVT. LTD.	B-10, MELKAY BUILDING, OPP. MAROL TELEPHONE EXCHANGE, CENTRAL ROAD, MIDC, ANDHERI E, MUMBAI-400093	MUMBAI	23-Feb-05
30	BENNETT COLEMAN AND CO. LTD.	BENNETT, COLEMAN & CO. LTD.,THE TIMES OF INDIA BUILDING DR. D.N ROAD, MUMBAI-400001	MUMBAI	2-May-05
31	SENIOR MEDIA LTD.	SENIOR MEDIA LTD NO.3, SIRI FORT ROAD, NEW DELHI-49	NEW DELHI	5-May-05
32	LOK PRAKASHAN LTD.	LOK PRAKASHAN LTD. 57 CHOWRINGHEE ROAD, HORIZON, 3RD FLOOR, KOLKATA-700071	AHMEDABAD	6-May-05
33	CALCUTTATELEVISION NETWORK PVT. LTD.	CALCUTTA TELEVISION NETWORK PVT. LTD. 89 M.B.ROAD BIRATI, KOLKATA-70051	KOLKATA	22-Aug-05
34	KOHINOOR CORPORATION LTD.	BROADCASTING KOHINOOR BROADCASTING CORPORATION LTD. TAGORE COMPLEX, MODEL TOWN, PATIALA-147001, PUNJAB	RAJPURA - PUNJAB	9-Sep-05
35	TELEVISION EIGHTEEN INDIA LIMITED	VIDEOCON TOWER, E-1 RANI JHANSI ROAD, JHANDEWALAN EXTN., NEW DELHI-110055	NOIDA	14-Sep-05
36	KAMYAB TV PVT. LTD. (Formerly known as MD TV Pvt. Ltd.)	KAMYAB TV PVT. LTD. 168, EKAMRA MARG, UNIT-6 BHUBANESHWER-751001	BHUBANESHWER	30-Sep-05
37	KASTURI MEDIA PVT. LTD.	KASTHURI MEDIAS PVT. LTD. NO.286, 3RD MAIN ROAD, J.P. NAGER, BANGLORE-560078	BANGALORE	10-Nov-05
38	SST MEDIA PVT. LTD.	57 J.L NEHRU ROAD HORIZON, 3RD FLOOR, KOLKATA-700071	KOLKATA	30-Nov-05
39	ESSEL SHYAM COMMUNICATION LTD.	ROYAL PALAMS,SURVEY NO. 169,NEAR UNIT 26, AAREY MILK COLONY GOREGAON EAST, MUMBAI- 400065	MUMBAI	2-Dec-05
40	MM TV LTD.	MM TV LTD. POST BOX NO.106, KANDATHIL VARGHESE MAPPILLAI MEMORIAL SOCIETY BUILDING K.K.ROAD, KOTTAYAM-686001, KERALA	ALAPUZZA	2-Mar-06
41	IN CABLENET ANDHRA LTD.	IN CABLENET ANDHRA LTD. 98, OM PLAZA, DOMALGUDA, HYDERABAD-500029	HYDERABAD	9-Mar-06
42	INDRA TELEVISION LTD.	INDRA TELEVISION LTD. MEGA CITY NO. 338, ROAD NO.3, ARORA COLONY BANJARA HILLS HYDERABAD-500034	HYDERABAD	7-Jun-06

### Annexure 5.4 (Contd.)

43	SUN TV LTD.	R S NO. 4288/72,73 & 116, BLOCK NO. 94, MRC NAGAR CHENNAI-600018	CHENNAI	14-Jul-06
44	MEDIA CONTENT AND COMMUNICATION INDIA PRIVATE LIMITED	DLF CNTRE,7TH FLOOR,4 SNANSAD SERVICESMARG, NEW DELHI-110001	NOIDA	20-Sep-06
45	TATA SKY LIMITED	TATA SKY LTD. 3RD FLOOR,C-1,WADIA INTERNATIONAL CENTRE BOMBAY DYEING,PANDURANG BUDHAR MARG,WORLI,MUMBAI-400025	NEW DELHI	20-Sep-06
46	SATISH SUGERS LTD.	VAISHNAVI BHAVANA,89/1, 1ST A MAIN ROAD,INDUSTRIAL SUBRUB, 2ND STAGE, YESHWANTHPUR,BANGLORE-560022	BANGALORE	26-Sep-06
47	SHITAL FIBRES LTD.	SHITAL FIBRES LTD. A-17, FOCAL POINT EXTENSION ,P.O.BOX NO. 407 AND 449, JALLANDHAR-144004	JALANDHAR	29-Sep-06
48	MH ONE TV NETWORK LTD.	MH ONE TV NETWORK LTD. 2,SSI INDUSTRIAL AREA, GT KARNAL ROAD, DELHI-33	DELHI	23-Nov-06
49	STV ENTERPRISES LTD.	268 MASJID KOTH, NEAR UDAI PARK MARKET, NEW DELHI-110049	NEW DELHI	11-Jan-07
50	AIRR X MEDIA LTD.	502 ASHWIN ATHWA LINES SURAT GUJARAT	SURAT	13-Mar-07
51	BROADCAST EQUIPMENTS INDIA PVT. LTD.	370-371/2, FIRST FLOOR, HOSPITAL ROAD, JANGPURA, NEW DELHI-110014	NEW DELHI	21-May-07
52	WINNING COMMUNICATIONS LTD.	EDGEWINNING EDGE COMMUNICATIONS LTD. 301,SWARNA JAYANTHI COMPLEX, AMEERPET, HYDERABAD-500038	HYDERABAD	25-May-07
53	INDIASIGN PVT. LTD.	GL 34/1 SALT LAKE ELECTRONIC COMPLEX SECTOR-5, KOLKATTA WEST BANGAL	KOLKATA	15-Jun-07
54	INDIASIGN PVT. LTD.		CHENNAI	15-Jun-07
55	RACHANA TELEVISION PVT. LTD.	PLOT NO. 564-A-19-III, ROAD NO.92, JUBILEE HILLS, HYDERABAD-500033	HYDERABAD	15-Jun-07
56	ORTEL COMMUNICATIONS LTD.	ORTEL COMMUNICATIONS LTD. B-7/122 A, SAFDARJUNG ENCLAVE, NEW DELHI-110029	BHUBANESHWER	25-Jun-07
57	SOWBHAGYA EXPORTS LTD.	SOWBHAGYA EXPORTS LTD. 77/14 SKD NAGER, SRINAGER COLONY HYDERABAD-500073 ANDHRA PRADESH	HYDERABAD	4-Jul-07
58	ESSEL SHYAM COMMUNICATION LTD.	C-138, NARAINA INDUSTRIAL AREA-I,AROOR NEW DELI-28	KERALA	5-Jul-07
59	PRAGYA VISION PVT. LTD.	FC-13, SECTOR 16A, FILM CITY, NOIDA-201301	NOIDA	5-Sep-07
60	BRAHMAPUTRA TELE-PRODUCTIONS PVT. LTD.	13THMILE TAMULIKUCHI BYRNIHAT RI - BHOI MEGHALAYA	GUWAHATI	25-Sep-07
61	G. NEXT MEDIA PVT. LTD.	78, OKHALA INDUSTRIAL ESTATE PHASE-III, NEW DELHI-110020	NEW DELHI	5-Oct-07
62	INDIASIGN PVT. LTD.	1343,ROAD NO. 67, JUBILEE HILL,HYDERABAD	HYDERABAD	14-Mar-08
63	TATA COMMUNICATIONS LIMITED	THIRUVALLUR SATELLITE EARTH STATION,226, RED HILLS ROAD, AMBATTUR, CHENNAI-600053	CHENNAI-2	6-May-08
64	POSITIVE TELEVISION PVT. LTD.	POSITIVE TELEVISION PVT. LTD. DOCTOR'S LANE, GOL MARKET,NEW DELHI-110001	7C,NOIDA	23-May-08
65	EASTERN MEDIA LTD.	A/62,NAYAPALLI, BHUBANESWAR-751003, ORISSA	BHUBANESHWER	2-Jul-08

## Annexure 5.4 (Contd.)

66	RAJASTHAN PATRIKA PRIVATE LIMITED	KESARGARH, JLN MARG, JAIPUR-302004	JAIPUR	5-Aug-08
67	PRIDE EAST ENTERTAINMENT PVT. LIMITED	NEWS LIVE, 558, G.S.ROAD, CHRISTIAN BARTI, DISPUR, GUWAHATI-78	GUWAHATI	13-Aug-08
68	INDIASIGN PVT. LTD.	1343,ROAD NO. 67, JUBILEE HILL,HYDERABAD	HYDERABAD (Location Shifted from Noida)	17-Sep-08
69	VINTAGE STUDIO PVT. LTD.	23/24, EAST PATEL NAGAR,NEW DELHI-110008	NEW DELHI	5-Jan-09
70	SKYLINE TELE MEDIA SERVICES PVT. LTD.	C-4,SHIVALIK,NEAR MALVIYA NAGAR MARKET,NEW DELHI-110017	NOIDA	27-May-09
71	INFORMATION TV PVT. LTD.	275,CAPTAIN MARG,SRINIVASPURI,NEW DELHI-110065	NEW DELHI	3-Jun-09
72	UNILAZER EXPORTS AND MANAGEMENT CONSULTANTS LIMITED	PARIJAT HOUSE, 1076, DR. E.MOSES ROAD, WORLI, NAKA, MUMBAI-400018	MUMBAI	26-Jun-09
73	COMSAT SYSTEM PVT. LTD.	PLOT NO. 22/A, IDA, MALLAPUR, HYDERABAD-50076	HYDERABAD	14-Oct-09
74	BHARTI TELEPORTS LIMITED	THE GRAND HOTEL, VASANT KUNJ, PHASE-II, NELSON MANDELA ROAD, NEW DELHI-110070	Noida	11-Nov-09
75	SRI VENKATESWARA CHANNEL PVT. LTD.	BHAKTITHIRUNILAYAM,HIMAYATH NAGAR,HYDERABAD	TIRUPATI	11-Nov-09
76	TATA COMMUNICATIONS LIMITED	THIRUVALLUVAR SATELLITE EARTH STATION,226,RED HILLS ROAD,AMBATTUR,CHENNAI-600053	CHENNAI -3	13-Jan-10
77	ROYS INSTITUTE OF COMPETITIVE EXAMINATION PVT LTD	11/1 B.T ROAD BELGHORIA KOLKATA-700056 24 PARGANAS NORTH WEST BENGAL	KOLKATA	1-Apr-10
78	INDEPENDENT NEWS SERVICES PVT. LTD.	PLOT NO. 17B & 17C, SECTOR 16A, FILM CITY NOIDA(UP)	NOIDA -2	28-Apr-10
79	RAJ TELEVISION NETWORK LTD.	32,POES ROAD, 2ND STREET, TEYNAMPET, CHENNAI-600018	CHENNAI	5-May-10
80	ESSEL SHYAMCOMMUNICATION LTD.	C-138, NARAINA INDUSTRIAL AREA-I, NEW DELHI-28	NOIDA -3	12-May-10
81	KANSANNEWS PRIVATE LIMITED	HOUSE NO. 18, SECTOR-18, CHANDIGARH	CHANDIGARH	13-May-10
82	TATA COMMUNICATIONS LTD. VSNL	TATA COMMUNICATIONS LTD. VIDESH SANCHAR BHAWAN MAHATMA GANDHI ROAD, MUMBAI-400001	CHENNAI -4	4-Jun-10
83	DISH TV INDIA LTD.	PLOT NO.18, SECTOR16A, NOIDA-201301	NOIDA	6-Apr-11
84	AASTHA BROADCASTING NETWORK LIMITED	AATHA BHAWAN, A-105, SECTOR-5, NOIDA-201301	NOIDA	2-May-11
85	MAHUAA MEDIA PRIVATE LIMITED	FC 17A & 17B, SECTOR 16A, FILM CITY, NOIDA-201301	NOIDA	25-May-11
86	RTR Broadcast Pvt. Ltd.	D-38, RDC, Raj Nagar, Ghaziabad	Ghaziabad	7-Sep-11
87	Silver Star Communication Ltd.	NO. 24, VI MAIN ROAD, KASTURIBA NAGAR, ADYAR, CHENNAI-600020 INDIA	CHENNAI	2-Nov-11

**Source:** Ministry of Information & Broadcasting

## Index of Tables & Charts

### Tables

Table 1.1: Subscriber Base & Teledensity – Rural & Urban .....	3
Table 1.2: Service Area wise Access (Wireless +Wireline) Subscribers .....	6
Table 1.3: Service Area wise Teledensity as on 30th June, 2012 .....	8
Table 1.4: Growth in Subscribers.....	9
Table 1.5: Market Share of the operators in total rural subscribers base for the quarter ending Jun-12 .....	10
Table 1.6: List of Cellular Mobile (GSM & CDMA) Service Providers currently providing service [As on 30th June, 2012].....	11
Table 1.7: Wireless Subscriber Base & Teledensity – Rural & Urban .....	12
Table 1.8: Growth in Wireless Subscribers .....	13
Table 1.9: Service Area wise Wireless Subscribers .....	14
Table 1.10: Service Area wise Wireless Teledensity as on 30th June, 2012.....	15
Table 1.11: Rural Wireless Subscribers and Market Share.....	16
Table 1.12: Group-wise Market Share (in terms of subscription) within GSM Service... 18	
Table 1.13: Market Share (in terms of subscription) within CDMA Service.....	19
Table 1.14: Service Providers providing Wireline service [as on 3th June, 2012] .....	20
Table 1.15: Wireline Subscriber Base & Teledensity – Rural & Urban.....	21
Table 1.16: Service Provider wise Subscribers (Rural & Urban) & Share of Rural Subscription .....	22
Table 1.17: Service Provider wise growth in Subscribers .....	23
Table 1.18: Service Area wise Wireline Subscribers .....	23
Table 1.19: Service Area wise Wireline Teledensity as on 30th June, 2012 .....	24
Table 1.20: Rate of change & Market share of PCOs .....	26
Table 1.21: Trends in subscribers (in Million) of PSUs Vs. Pvt. Internet Service Providers .....	28
Table 1.22: Internet Subscriber Base & Market share of top 10 ISPs.....	29
Table 1.23: Service Provider wise details of Data Services .....	33
Table 1.24: PMRTS Subscriber base – Service Provider wise.....	34
Table 1.25: VSAT Service Providers currently providing service & subscriber base .....	35
Table 2.1: Key Indicators - GSM Service.....	38
Table 2.2: Monthly ARPU - GSM Service.....	39
Table 2.3: Composition of Revenue (%) - GSM Service.....	40
Table 2.4: MOU & SMS (per subscriber per month) - GSM Service .....	40
Table 2.5: Outgoing Traffic (MOU) Pattern - GSM Service.....	41
Table 2.6: Average outgo* per outgoing minute - GSM Service .....	41
Table 2.7: Trends of Key Parameters - GSM Service.....	42
Table 2.8: Key Indicators – CDMA Full Mobility Service .....	43
Table 2.9: Monthly ARPU – CDMA Full Mobility Service.....	44
Table 2.10: Composition of Revenue (%)– CDMA Full Mobility Service .....	45
Table 2.11: MOU & SMS (per subscriber per month) – CDMA Full Mobility Service.....	45
Table 2.12: Outgoing Traffic Pattern – CDMA Full Mobility Service.....	46
Table 2.13: Average outgo* per outgoing minute – CDMA Full Mobility Service .....	47
Table 2.14: Trends of Key Parameters – CDMA Full Mobility Service .....	47
Table 3.1: Gross Revenue (GR), Adjusted Gross Revenue (AGR), License Fee (LF) & Spectrum Charges.....	50
Table 3.2: Service-wise Gross Revenue, Adjusted Gross Revenue (AGR), License Fee and Spectrum Charges.....	51
Table 3.3: Access Services – Service Provider wise Gross Revenue.....	52
Table 3.4: Category-wise share in Access Services Gross Revenue (GR) .....	53
Table 4.1: QoS Summary - Wireless Service .....	55
Table 4.2: Parameter wise Performance of Wireless Service Providers .....	58

Table 4.3: QoS Summary - Wireline Service.....	64
Table 4.4: QoS Parameters not reported by the service providers - wireline .....	66
Table 4.5: Parameter wise QoS of Wireline Service Providers .....	68
Table 4.6: Performance on ISPs Quality of Service .....	70
Table 4.7: Parameter-wise status of QoS benchmarks for Broadband service .....	73
Table 5.1: Key Parameters .....	77
Table 5.2: Status of applications for community radio station licenses received from Ministry of Information and Broadcasting .....	81

## **Charts**

Chart 1.1: Trends in Telephone Subscribers and Teledensity in India .....	2
Chart 1.2: Market Share - Rural & Urban .....	4
Chart 1.3: Composition of Access subscription – Wireline & Wireless .....	5
Chart 1.4: Composition of Telephone Subscribers at the end of the quarter .....	5
Chart 1.5: Net Addition in Telephone Subscription (In millions) .....	7
Chart 1.6: Wireless Subscriber Base and Teledensity .....	12
Chart 1.7: Wireless Market Share – Rural & Urban .....	13
Chart 1.8: Wireless Subscription: GSM vs CDMA .....	17
Chart 1.9: Wireline Subscriber Base and Teledensity.....	21
Chart 1.10: Wireline Market share – Rural & Urban .....	22
Chart 1.11: Number of PCOs .....	25
Chart 1.12: Growth in VPTs.....	26
Chart 1.13: Trends in Internet subscription .....	27
Chart 1.14: Growth achieved by top ten ISPs during the quarter .....	30
Chart 1.15: Technology trends for Internet Access (including Broadband) .....	30
Chart 1.16: Broadband Access - Technologies & Market Share .....	31
Chart 1.17: Speed Category wise data on Internet/broadband subscribers for top 10 States .....	31
Chart 1.18: Growth of wireless subscribers capable of Accessing Data services/Internet .....	32
Chart 1.19: Number of PMRTS subscribers & Rate of Change (%) .....	35
Chart 1.20: Number of VSAT Subscribers & Rate of Change (%) .....	36
Chart 2.1: Outgoing Traffic Pattern - GSM Service.....	38
Chart 2.2: Proportion of prepaid subscribers - GSM Service.....	39
Chart 2.3: Outgoing Traffic Pattern – CDMA Full Mobility Service .....	43
Chart 2.4: Proportion of prepaid subscribers – CDMA Full Mobility Service .....	44
Chart 2.5: Trends in MOU for Internet Telephony.....	48
Chart 3.1: Composition of Gross Revenue .....	51
Chart 3.2: Trend in ARPU per month for Access Services.....	52
Chart 5.1: Maximum number of TV Channels being carried by certain Cable operators in their networks .....	78
Chart 5.2: Set Top Boxes (STBs) .....	79
Chart 5.3: Comparative position of Revenue from FM Radio Stations .....	80