



Telecom Regulatory Authority of India

The Indian Telecom Services Performance Indicators

July - September, 2013

New Delhi, India
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Snapshot

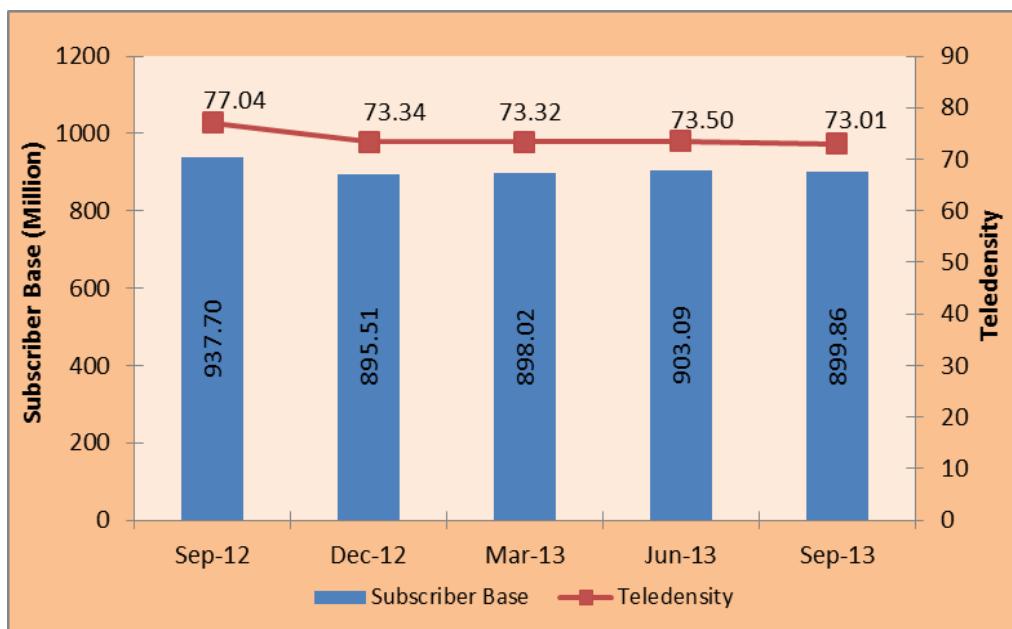
(Data As on 30th September, 2013)	
Telecom Subscribers (Wireless +Wireline)	
Total Subscribers	899.86 Million
% change over the previous quarter	-0.36%
Urban Subscribers	543.18 Million
Rural Subscribers	356.68 Million
Market share of Private Operators	86.16%
Market share of PSU Operators	13.84%
Teledensity	73.01
Urban Teledensity	144.02
Rural Teledensity	41.70
Wireless Subscribers	
Total Wireless Subscribers	870.58 Million
% change over the previous quarter	-0.32%
Urban Subscribers	520.21 Million
Rural Subscribers	350.37 Million
GSM Subscribers	807.68 Million
CDMA Subscribers	62.91 Million
Market share of Private Operators	88.33%
Market share of PSU Operators	11.67%
Teledensity	70.63
Urban Teledensity	137.93
Rural Teledensity	40.96
Wireline Subscribers	
Total Wireline Subscribers	29.28 Million
% change over the previous quarter	-1.50%
Urban Subscribers	22.97 Million
Rural Subscribers	6.31 Million
Market share of Private Operators	21.76%
Market share of PSU Operators	78.24%
Teledensity	2.38
Urban Teledensity	6.09
Rural Teledensity	0.74
Village Public Telephones (VPT)	0.59 Million
Public Call Office (PCO)	1.09 Million

Internet / Broadband Subscribers	
Total Internet Subscribers	210.38 Million
Narrowband subscribers (excluding subscribers who accessed internet through mobile devices)	6.84 Million
Broadband subscribers (excluding subscribers who accessed internet through Mobile devices)	15.35 million
Subscribers who accessed internet through Mobile Devices	188.20 Million
Broadcasting & Cable Services	
No. of private satellite TV channels registered with Ministry of I & B	784
Number of private FM Radio Stations	242
DTH Subscribers registered with Pvt. SPs	60.71 Million
Telecom Financial Data (for the QE Sep-13)	
Gross Revenue(GR) during the quarter	₹ 57452.56 Crore
% change in GR over the previous quarter	0.33%
Adjusted Gross Revenue (AGR) during the quarter	₹38810.56 Crore
% change in AGR over the previous quarter	0.44%
Share of Public sector undertaking's in Access AGR	13.10%
Monthly Average Revenue Per User (ARPU) for Access Services	₹112
Revenue & Usage Parameters (for the QE Sep-13)	
Monthly ARPU GSM Full Mobility Service	₹ 109
Monthly ARPU CDMA Full Mobility Service	₹ 98
Minutes of Usage (MOU) per subscriber per month GSM Full Mobility Service	375 Minutes
Minutes of Usage (MOU) per subscriber per month CDMA Full Mobility Service	262 Minutes
Minutes of Usage for Internet Telephony	297.15 Million

Executive Summary

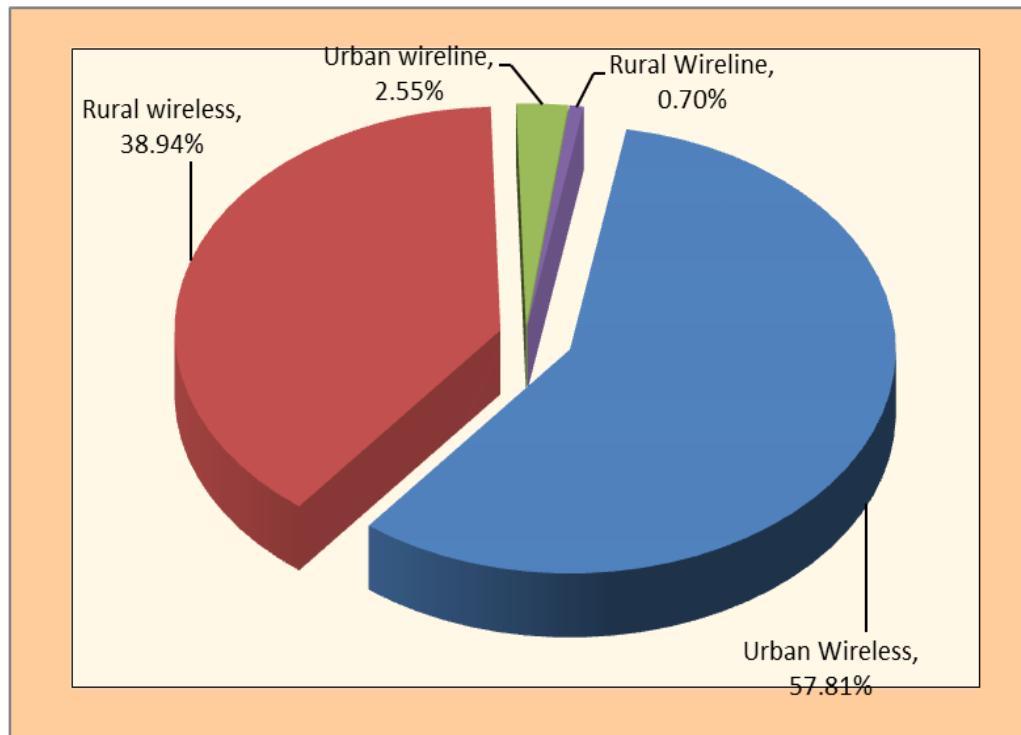
1. The number of telephone subscribers in India decreased from 903.09 million at the end of Jun-13 to 899.86 million at the end of Sep-13, registering a negative growth of 0.36% over the previous quarter. This reflects year-on-year (Y-O-Y) negative growth of 4.03% over the same quarter of last year. The overall Tele-density in India declined from 73.50 as on 30th June, 2013 to 73.01 as on 30th September, 2013.

Trends in Telephone subscribers and Teledensity in India



2. Subscription in Urban Areas decreased from 545.48 million at the end of Jun-13 to 543.18 million at the end of Sep-13, and Urban Tele-density also declined from 145.35 to 144.02. Rural subscription declined from 357.61 million to 356.68 million, and Rural Tele-density also declined from 41.90 to 41.70. Share of subscription in Rural areas out of total subscription increased from 39.60% at the end of Jun-13 to 39.64% at the end of Sep-13.

Composition of Telephone Subscribers



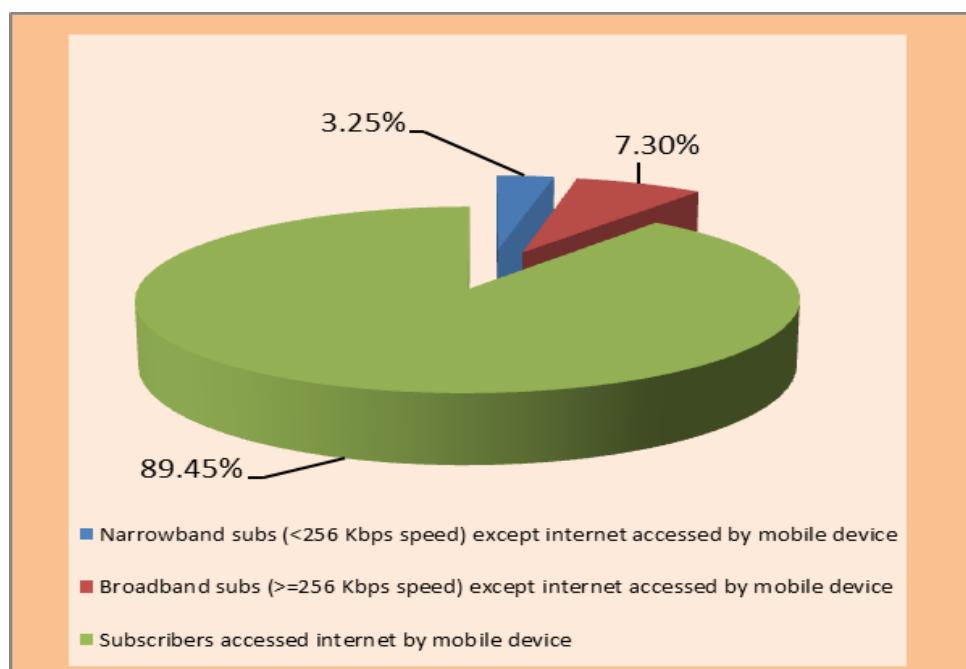
3. With a net decline of 2.78 million subscribers during the quarter, total wireless(GSM+CDMA) subscriber base decreased from 873.36 million at the end of Jun-13 to 870.58 million at the end of Sep-13, registering a negative growth rate of 0.32% over the previous quarter. The year-on-year (Y-O-Y) negative growth rate of Wireless subscribers for Sep-13 is 3.97%. Wireless Tele-density declined from 71.08 at the end of Jun-13 to 70.63 at the end of Sep-13.
4. Wireline subscriber base further declined from 29.73 million at the end of Jun-13 to 29.28 million at the end of Sep-13, registering a negative growth rate of 1.50%. Wireline Tele-density also declined from 2.42 at the end of Jun-13 to 2.38 at the end of Sep-13.
5. Number of subscribers who accessed internet by mobile devices is 188.20 million during QE Sep-13.

6. Number of internet subscribers (except internet access by mobile devices) increased from 21.89 million at the end of Jun-13 to 22.19 million at the end of Sep-13, registering a quarterly growth rate of 1.38%.

7. Number of Broadband subscribers (as per pre-revised definition) increased from 15.20 million at the end of Jun-13 to 15.35 million at the end of Sep-13, registering a quarterly growth of 0.99% and Y-O-Y growth of 4.52%.

8. Number of Narrowband subscribers (except internet access by mobile devices) increased from 6.69 million at the end of Jun-13 to 6.84 million at the end of Sep-13, registering a quarterly growth of 2.25%

Composition of internet subscription



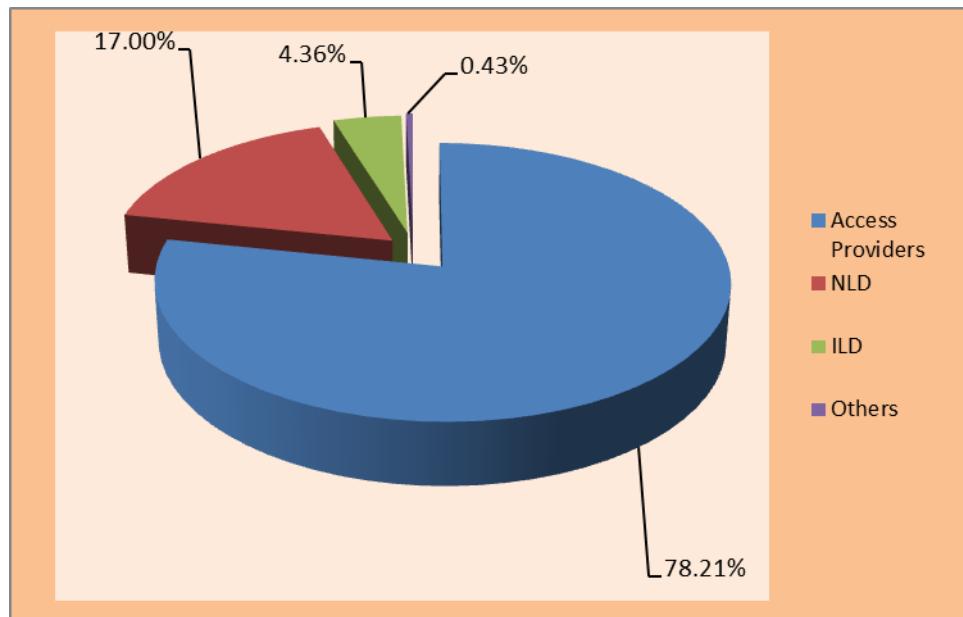
9. Monthly Average Revenue Per User (ARPU) for GSM service decreased by 2.12%, from ₹111 in QE Mar-13 to ₹109 in QE Sep-13, whereas Y-O-Y increase of 14.52%.
10. On an all India average, the overall MOU per subscriber per month for GSM service decreased by 3.23% from 388 in QE Jun-13 to 375 in QE Sep-13. Prepaid MOU per subscriber decreased from 364 to 351 and postpaid MOUs decreased from 990 to 981 in this quarter.
11. Monthly ARPU for CDMA full mobility service decreased by 0.13%, from ₹98.35 in QE Jun-13 to ₹98.22 in QE Sep-13. ARPU for CDMA has increased by 26.30% on Y-O-Y basis in this quarter.
12. The total MOU for CDMA per subscriber per month decreased by 5.74%, from 278 in QE Jun-13 to 262 QE Sep-13. The outgoing MOUs decreased from 146 to 137 and incoming MOUs decreased from 132 to 125 in this quarter.
13. Gross Revenue (GR) and Adjusted Gross Revenue (AGR) of Telecom Service Sector for the QE Sep-13 has been ₹57452.56 Crore and ₹38810.56 Crore respectively. There has been an increase of 0.33% in GR and 0.44% 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 8.53% and 9.41% respectively. Pass-through charges accounted for 32.45% of the GR for the quarter ending Sep-13. The quarterly and the year-on-year (Y-O-Y) growth rates of pass-through charges for QE Sep-13 are 0.11% and 6.74% respectively.

14. The quarterly and the year-on-year (Y-O-Y) growth rates of license fee are 0.41% and 7.66% respectively for the QE Sep-13.

15. Access services contributed 78.21% of the total Adjusted Gross Revenue of telecom services. In Access services, Gross Revenue, Adjusted Gross Revenue (AGR), License Fee and Pass Through Charges decreased by 1.55%, 0.46%, 0.46% and 4.17% respectively, whereas Spectrum Usage Charge increased by 0.46% in QE Sep-13.

16. Monthly Average Revenue per User (ARPU) for Access Services based on AGR decreased from ₹113 in QE Jun-13 to ₹112 in QE Sep-13.

Composition of Adjusted Gross Revenue



17. The performance of 2G wireless service providers in terms of QoS during the quarter vis-à-vis that in previous quarter is depicted as under:

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

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:

Parameters showing Improvement in QoS	Parameters showing deterioration in QoS	Parameters showing unchanged in QoS
<ul style="list-style-type: none"> • Node-B's Accumulated downtime (not available for service) (%age). 	<ul style="list-style-type: none"> • Worst affected Node-B's due to downtime (%age). • Worst affected cells having more than 3% TCH drop (call drop) and Circuit Switched Voice Drop Rate - CBBH. 	<ul style="list-style-type: none"> • Point of Interconnection (POI) Congestion.

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

Parameters showing Improvement in QoS	Parameters showing deterioration in QoS
<ul style="list-style-type: none"> • % of faults repaired within 3 days (for urban area) • % of faults repaired within 5 days (for rural & hilly areas) • Call Completion Rate (CCR) • Metering and billing credibility - post paid • Metering and billing credibility - pre paid • %age requests for Termination/ Closure of service complied within 7 days. 	<ul style="list-style-type: none"> • Faults incidences (No. of faults/ 100 Subs./month) • % Fault repaired by next working day • Mean Time to Repair (MTTR). • Resolution of billing/ charging/ validity complaints • Accessibility of call centre/customer care • % of calls answered by the operators (Voice to Voice) within 60 Sec. • Time Taken for refund of deposits after closures

20. Total number of private satellite TV channels permitted by the Ministry of I&B, as obtained from its website, are 784. There are a total of 187 pay channels, as reported by the broadcasters/ distributors for which the rates have been taken on records at the QE Sep-13.
21. Maximum number of TV channels (Pay, FTA and Local) being carried by any of the reported MSOs is 218 whereas in the conventional analogue form, maximum number of channels being carried by any of the reported MSOs is 100 channels.
22. Apart from All India Radio, Prasar Bharti a public broadcaster, there are 242 private FM Radio stations in operation at the end of Sep-13.
23. Besides the free DTH service of Doordarshan, there are 6 private DTH licensees, offering their services to the DTH subscribers. As on 30.09.2013, 60.71 million subscribers are registered with these 6 private DTH operators.

Trends at a Glance

A. Wireline & Wireless Services

	QE Sep 2012	QE Dec 2012	QE Mar 2013	QE Jun 2013	QE Sep 2013	%age change over Sep- 2012	%age change over Dec- 2012	%age change over Mar- 2013	%age change over Jun- 2013
						(12 months)	(9 months)	(6 months)	(3 months)
1) Subscriber's Base (in million)									
i) Wireline	31.08	30.79	30.21	29.73	29.28	-5.79%	-4.89%	-3.08%	-1.50%
ii) Wireless	906.62	864.72	867.80	873.36	870.58	-3.97%	0.68%	0.32%	-0.32%
Total	937.70	895.51	898.02	903.09	899.86	-4.03%	0.49%	0.21%	-0.36%
Rural	342.01	338.54	349.22	357.61	356.68	4.29%	5.36%	2.14%	-0.26%
Urban	595.69	556.96	548.80	545.48	543.18	-8.81%	-2.47%	-1.02%	-0.42%
2) Traffic (MOU) (minutes of use/ sub/month)									
Wireless - full mobility									
i) GSM	343	360	383	388	375	9.42%	4.21%	-1.95%	-3.23%
ii) CDMA	225	230	275	278	262	16.48%	14.03%	-4.57%	-5.74%
3) ARPU (Rs./sub/ month)									
Wireless - full mobility									
i) GSM	95.25	98.14	105.00	111.45	109.08	14.52%	11.15%	3.89%	-2.12%
ii) CDMA	77.76	79.95	95.25	98.35	98.22	26.30%	22.84%	3.12%	-0.13%
4) Teledensity									
Population in million (Estimated)	1217	1221	1225	1229	1233				
i) Wireline teledensity	2.55	2.52	2.47	2.42	2.38	-6.97%	-5.77%	-3.68%	-1.80%
ii) Wireless teledensity	74.49	70.82	70.85	71.08	70.63	-5.17%	-0.26%	-0.30%	-0.63%
Total Teledensity	77.04	73.34	73.32	73.50	73.01	-5.23%	-0.45%	-0.42%	-0.67%
Rural teledensity	40.36	39.85	41.02	41.90	41.70	3.32%	4.63%	1.67%	-0.49%
Urban teledensity	161.13	149.90	146.96	145.35	144.02	-10.62%	-3.92%	-2.00%	-0.92%

B. Subscriber Base

(i) Wireline Subscribers Base (in Million)

Service Provider	QE Sep 2012	QE Dec 2012	QE Mar 2013	QE Jun 2013	QE Sep 2013	%age change over Sep-2012	%age change over Dec-2012	%age change over Mar-2013	%age change over Jun-2013
						(12 months)	(9 months)	(6 months)	(3 months)
BSNL	21.36	21.04	20.45	19.89	19.37	-9.34%	-7.95%	-5.27%	-2.62%
MTNL	3.45	3.46	3.46	3.55	3.54	2.58%	2.53%	2.39%	-0.20%
Bharti	3.27	3.28	3.28	3.28	3.34	1.93%	1.82%	1.67%	1.70%
Reliance	1.26	1.26	1.24	1.24	1.24	-1.32%	-1.38%	-0.10%	-0.12%
Tata	1.47	1.49	1.51	1.47	1.49	1.21%	0.07%	-1.00%	1.37%
Quadrant (HFCL)	0.19	0.18	0.19	0.20	0.20	7.13%	10.11%	7.87%	3.32%
Sistema	0.05	0.05	0.05	0.05	0.05	11.20%	9.38%	3.58%	1.35%
Vodafone	0.02	0.03	0.04	0.04	0.04	91.18%	49.19%	23.45%	5.29%
Total	31.08	30.79	30.21	29.73	29.28	-5.79%	-4.89%	-3.08%	-1.50%

(ii) Wireless Subscriber Base (in Million)

Service Provider	QE Sep 2012	QE Dec 2012	QE Mar 2013	QE Jun 2013	QE Sep 2013	%age change over Sep-2012	%age change over Dec-2012	%age change over Mar-2013	%age change over Jun-2013
						(12 months)	(9 months)	(6 months)	(3 months)
Bharti	185.92	181.91	188.20	190.91	193.39	4.02%	6.31%	2.76%	1.30%
Vodafone	152.66	147.48	152.35	155.03	155.54	1.89%	5.47%	2.09%	0.33%
Idea	115.46	113.95	121.61	124.97	127.23	10.19%	11.66%	4.62%	1.81%
Reliance	134.85	118.53	122.97	125.73	116.26	-13.78%	-1.91%	-5.46%	-7.53%
BSNL	99.63	99.92	101.21	97.99	97.86	-1.78%	-2.07%	-3.31%	-0.14%
Tata	78.36	69.56	66.42	64.63	63.55	-18.90%	-8.64%	-4.32%	-1.67%
Aircel/Dishnet	66.61	63.35	60.07	60.97	63.25	-5.05%	-0.16%	5.28%	3.73%
Unitech	42.15	41.52	31.68	32.30	32.36	-23.23%	-22.07%	2.12%	0.19%
Sistema	16.59	14.88	11.91	9.77	9.56	-42.41%	-35.77%	-19.77%	-2.18%
MTNL	5.29	5.30	5.00	4.51	3.74	-29.33%	-29.44%	-25.17%	-17.07%
Videocon	4.45	3.64	2.01	2.42	3.24	-27.11%	-10.87%	61.46%	34.18%
Loop	3.03	3.00	3.01	2.72	2.89	-4.68%	-3.63%	-4.04%	6.26%
Quadrant	1.60	1.70	1.37	1.42	1.73	7.55%	1.76%	26.32%	21.71%
Total	906.62	864.72	867.80	873.36	870.58	-3.97%	0.68%	0.32%	-0.32%

C. Internet & Broadband Services

	QE Sep 2012	QE Dec 2012	QE Mar 2013	QE Jun 2013	QE Sep 2013	%age change over Sep-2012	%age change over Dec-2012	%age change over Mar-2013	%age change over Jun-2013
						(12 months)	(9 months)	(6 months)	(3 months)
1) Subscriber's Base (in million)									
A. Internet Subscribers (except internet accessed by mobile devices)	21.25	21.57	21.61	21.89	22.19	4.42%	2.85%	2.68%	1.38%
i. Narrowband Subscribers (<256 Kbps)	6.56	6.59	6.56	6.69	6.84	4.18%	3.76%	4.29%	2.25%
ii. Broadband Subscribers(>=256 Kbps)	14.68	14.98	15.05	15.20	15.35	4.52%	2.45%	1.98%	0.99%
B. No. of subscribers accessed internet by mobile devices	N/A	N/A	143.20	176.50	188.20	-	-	31.42%	6.62%
Total Internet Subscribers	N/A	N/A	164.81	198.39	210.38	-	-	27.65%	6.05%

D. Telecom Financial Data

	QE Sep 2012	QE Dec 2012	QE Mar 2013	QE Jun 2013	QE Sep 2013	%age change over Sep-2012	%age change over Dec-2012	%age change over Mar-2013	%age change over Jun-2013
						(12 months)	(9 months)	(6 months)	(3 months)
Telecom Sector									
i) Gross Revenue (Rs. in Crores)	52937.32	52858.39	54283.78	57260.98	57452.56	8.53%	8.69%	5.84%	0.33%
ii) Adjusted Gross Revenue (Rs. in Crores)	35473.16	34527.50	35279.50	38640.30	38810.56	9.41%	12.40%	10.01%	0.44%
Access Services									
Adjusted Gross Revenue (Rs. in Crores)	27773.79	27455.16	27801.94	30492.88	30353.17	9.29%	10.56%	9.18%	-0.46%
ARPU per month (AGR/Average subscribers/3)	97.93	99.00	103.66	113.04	111.85	14.21%	12.98%	7.90%	-1.05%

Introduction

This Report presents the Key Parameters and growth trends for the Telecom Services in India for the quarter ending September, 2013. It provides a broad perspective on the Telecom Services to serve as a reference document for various stakeholders, research agencies and analysts. Chapter-1 depicts the growth pattern, in terms of Subscriber base and Tele-density 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). 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: manishsinha@trai.gov.in

Chapter 1 :

Subscription Data

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- 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

- 1.1 The number of telephone subscribers in India declined from 903.09 million at the end of Jun-13 to 899.86 million at the end of Sep-13, registering a negative growth of 0.36% over the previous quarter. This reflects year-on-year (Y-O-Y) negative growth of 4.03% over the same quarter of last year. The overall Tele-density in India decreased to 73.01 at the end of Sep-13 from 73.50 at the end of the previous quarter.

Chart 1.1: Trends in Telephone Subscribers and Tele-density in India

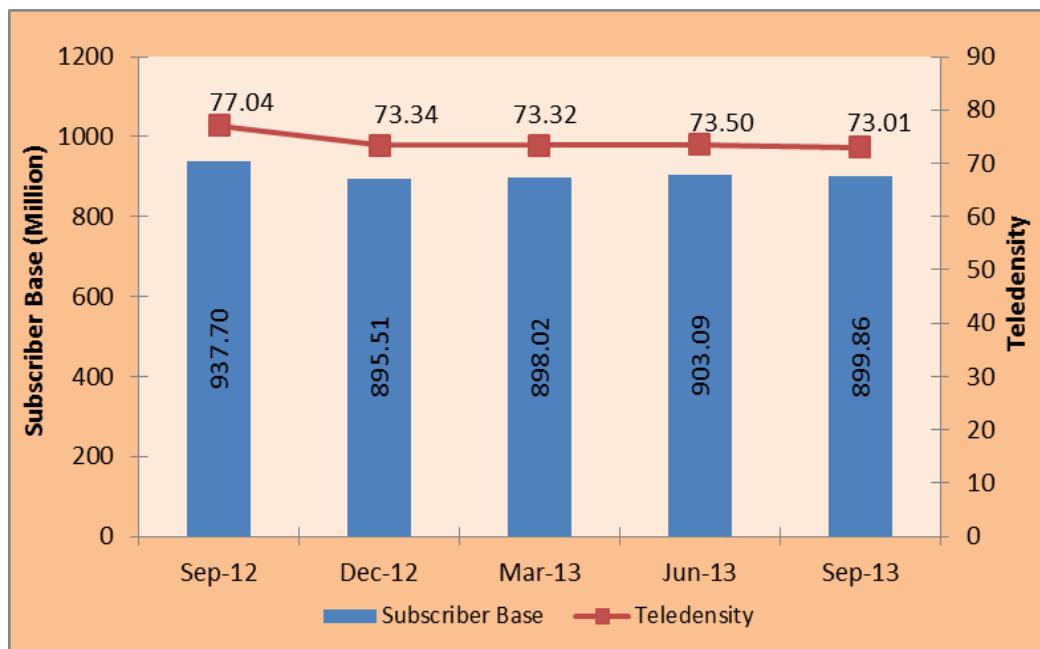
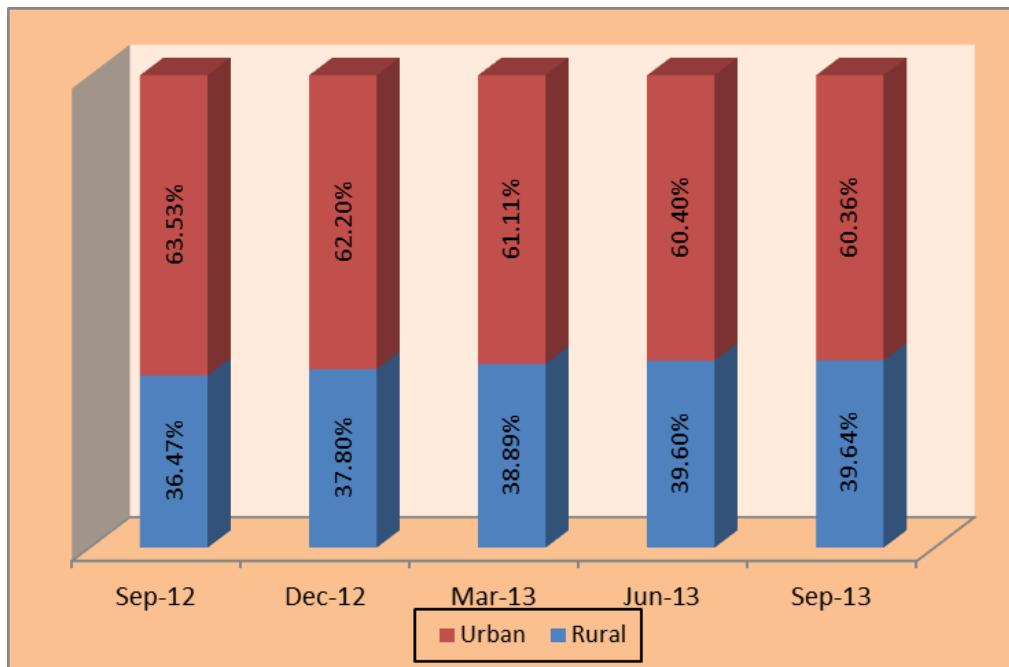


Table 1.1: Subscriber Base & Teledensity - Rural & Urban

Quarter ending	Subscriber Base (million)		Teledensity	
	Rural	Urban	Rural	Urban
Sep-12	342.01	595.69	40.36	161.13
Dec-12	338.54	556.96	39.85	149.90
Mar-13	349.22	548.80	41.02	146.96
Jun-13	357.61	545.48	41.90	145.35
Sep-13	356.68	543.18	41.70	144.02

1.2 Subscription in Urban Areas decreased from 545.48 million at the end of Jun-13 to 543.18 million at the end of Sep-13 and the Urban Tele-density also declined from 145.35 to 144.02 during the quarter. Rural subscription decreased from 357.61 million to 356.68 million and the Rural Tele-density also declined from 41.90 to 41.70 during the quarter. The year-on-year (Y-O-Y) growth rate of Rural and Urban Tele-density from Sep-12 to Sep-13 is 3.32% and -10.62% respectively.

Chart 1.2: Market Share - Rural & Urban



1.3 Share of rural areas in total subscription has increased from 39.60 at the end of Jun-13 to 39.64% at the end of Sep-13. The year-on-year (Y-O-Y) growth of the market share of the rural areas for Sep-13 is 8.67%.

Chart 1.3: Composition of Access subscription - Wireline & Wireless

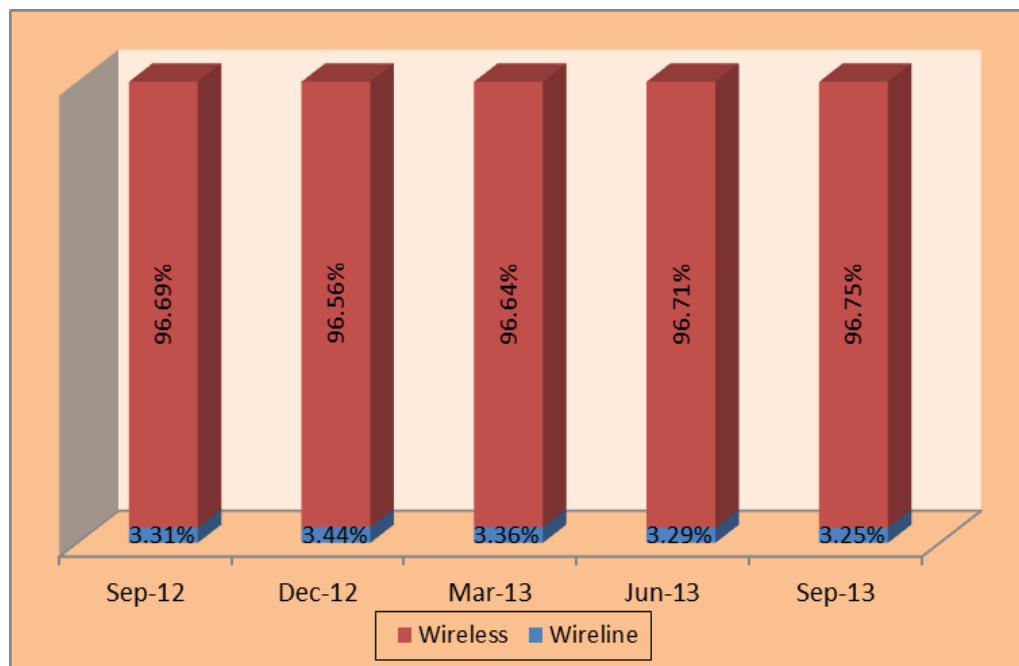


Chart 1.4: Composition of Telephone Subscribers at the end of the quarter

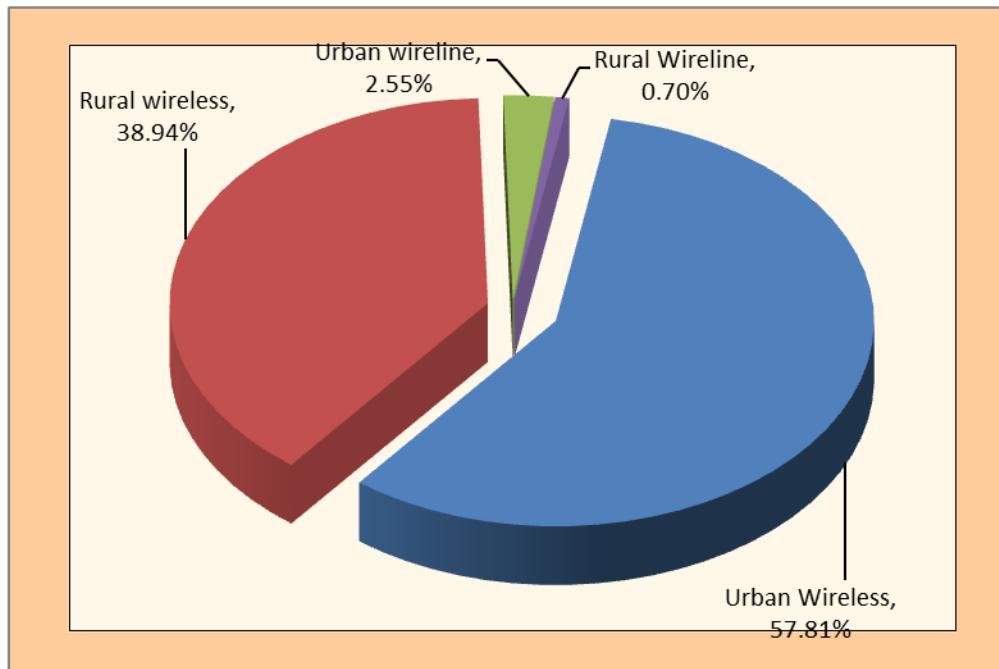
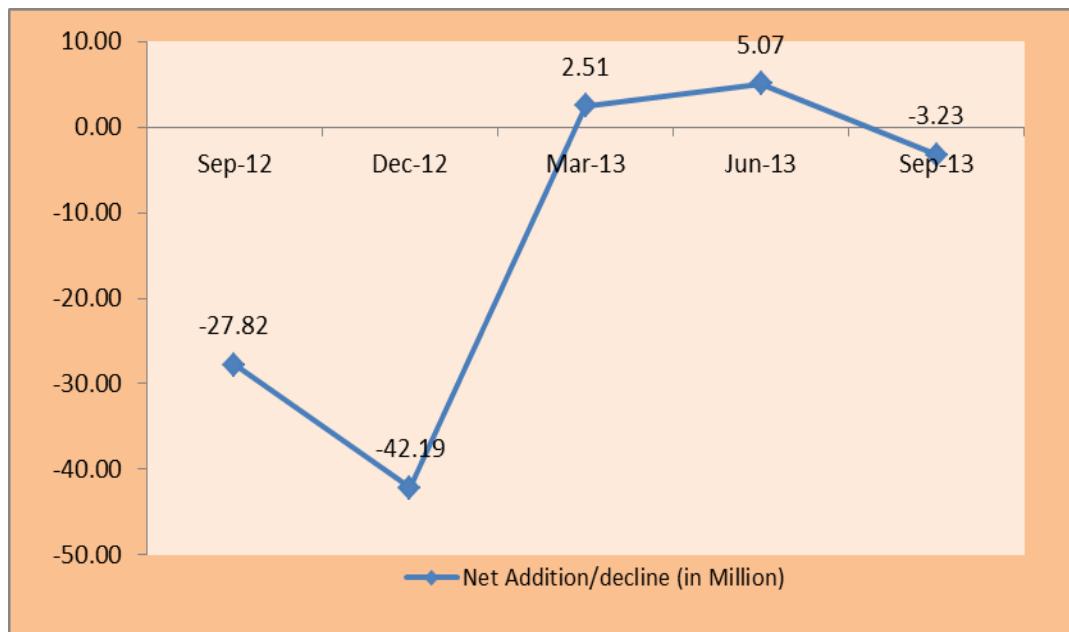


Table 1.2: Service Area wise Access (Wireless+Wireline) Subscriber base

Service Area	Subscribers (million)			
	Jun-13	Sep-13	Net Additions	Rate of Growth(%)
Andhra Pradesh	67.28	66.85	-0.42	-0.63
Assam	14.93	14.86	-0.08	-0.52
Bihar	60.40	58.71	-1.69	-2.80
Delhi	43.15	44.10	0.95	2.20
Gujarat	53.71	53.86	0.16	0.29
Haryana	20.45	20.42	-0.03	-0.14
Himachal Pradesh	7.28	7.30	0.01	0.18
Jammu & Kashmir	7.34	7.60	0.25	3.45
Karnataka	55.51	55.80	0.29	0.52
Kerala	34.17	33.99	-0.19	-0.55
Madhya Pradesh	54.34	54.57	0.23	0.43
Maharashtra	70.54	71.05	0.51	0.72
Mumbai	32.37	32.36	-0.01	-0.04
North East	9.37	9.52	0.16	1.66
Orissa	25.21	25.50	0.29	1.14
Punjab	31.12	31.48	0.36	1.15
Rajasthan	50.51	50.70	0.19	0.37
T.N. (incl. Chennai)	75.89	76.32	0.43	0.56
U.P.(E)	76.06	73.62	-2.44	-3.21
U.P.(W)	48.98	47.39	-1.59	-3.24
Kolkata	22.67	22.61	-0.06	-0.26
West Bengal	41.80	41.26	-0.54	-1.28
All India	903.09	899.86	-3.23	-0.36

- 1.4 During the quarter, J&K Circle has recorded the highest growth rate of 3.45%, followed by Delhi (2.20%). U.P.(West) and U.P.(East) Circles have recorded the highest decline rate of 3.24% and 3.21% respectively.

Chart 1.5: Net Addition/decline in Telephone Subscription



1.5 The net decline in telephone subscribers is 3.23 million in QE Sep-13 as against the net addition of 5.07 million in QE Jun-13.

Table 1.3: Service Area wise Teledensity

Service Area	As on 30th June, 2013			As on 30th September, 2013		
	Rural Teledensity	Urban Teledensity	Total Teledensity	Rural Teledensity	Urban Teledensity	Total Teledensity
Andhra Pradesh	43.61	166.54	77.80	43.51	164.43	77.15
Assam	32.10	131.61	47.49	32.36	127.30	47.10
Bihar	27.87	155.46	45.36	27.51	147.38	43.95
Delhi	-	-	218.86	-	-	222.10
Gujarat	53.44	135.97	87.31	54.53	134.18	87.29
Haryana	57.43	115.03	77.47	57.07	114.32	77.06
Himachal Pradesh	75.50	334.98	104.96	75.59	333.15	104.93
J&K	38.56	120.41	60.91	40.28	122.68	62.82
Karnataka	43.43	169.45	91.26	44.60	167.95	91.52

	As on 30 th June, 2013			As on 30 th September, 2013		
Service Area	Rural Teledensity	Urban Teledensity	Total Teledensity	Rural Teledensity	Urban Teledensity	Total Teledensity
Kerala	62.89	197.39	97.12	62.88	194.79	96.43
Madhya Pradesh	32.11	114.88	54.40	31.87	115.52	54.44
Maharashtra*	53.56	124.50	87.15	53.34	124.87	87.29
Mumbai*						
North East	41.30	154.84	69.20	41.73	157.14	70.15
Orissa	39.20	163.83	60.64	39.40	165.83	61.21
Punjab	67.78	152.74	103.80	68.83	153.11	104.68
Rajasthan	45.95	153.85	71.87	45.68	154.65	71.88
T.N. (incl Chennai)	68.86	138.34	108.52	69.45	138.33	108.96
U.P.(E)*	34.29	135.26	57.05	33.04	130.28	54.99
U.P.(W)*						
Kolkata*	42.30	138.07	69.66	41.97	136.08	68.87
W.B.*						
All India	41.90	145.35	73.50	41.70	144.02	73.01

* 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).

1.6 Himachal Pradesh has the highest Rural Teledensity of 75.59, followed by Tamil Nadu (69.45). Bihar continues to have the lowest Rural Teledensity of 27.51, followed by Madhya Pradesh (31.87).

Table 1.4: Growth/Decline in Subscribers

Service Provider	Subscriber base (millions)			Rate of Growth (%)	Market Share Jun-13 (%)	Market Share Sep-13 (%)
	Jun-13	Sep-13	Net Additions			
Bharti	194.19	196.73	2.53	1.30	21.50	21.86
Vodafone	155.08	155.59	0.51	0.33	17.17	17.29
IDEA	124.97	127.23	2.26	1.81	13.84	14.14
Reliance	126.98	117.50	-9.47	-7.46	14.06	13.06
BSNL	117.88	117.23	-0.65	-0.56	13.05	13.03
Tata	66.10	65.04	-1.06	-1.60	7.32	7.23
Aircel/Dishnet	60.97	63.25	2.28	3.73	6.75	7.03
Unitech	32.30	32.36	0.06	0.19	3.58	3.60
Sistema	9.82	9.61	-0.21	-2.16	1.09	1.07
MTNL	8.06	7.28	-0.78	-9.64	0.89	0.81
Videocon	2.42	3.24	0.83	34.18	0.27	0.36
Loop Mobile	2.72	2.89	0.17	6.26	0.30	0.32
Quadrant	1.61	1.93	0.31	19.48	0.18	0.21
Total	903.09	899.86	-3.23	-0.36		

- 1.7 Bharti is the leading operator in Access segment in terms of number of subscribers. In term of net additions during the quarter, Bharti recorded the highest addition of 2.53 million, followed by Aircel (2.28 million) and Idea (2.26 million). Reliance recorded the highest net decline of 9.47 million subscribers during this quarter.

Table 1.5: Market Share of the operators in total rural subscriber base for the quarter ending Sep-13

Service Provider	No. of Total Subscribers (in millions)	No. of Rural Subscribers (in millions)	Percentage of Rural subscribers	Market share of Rural subscribers (%)
Bharti	196.73	86.81	44.13	24.34
Vodafone	155.59	83.19	53.47	23.32
IDEA	127.23	69.16	54.36	19.39
BSNL	117.23	39.80	33.95	11.16
Reliance	117.50	28.29	24.08	7.93
Aircel/Dishnet	63.25	23.25	36.76	6.52
Tata	65.04	14.50	22.29	4.06
Unitech	32.36	10.24	31.66	2.87
Sistema	9.61	1.41	14.62	0.39
Quadrant	1.93	0.04	2.05	0.01
Loop Mobile	2.89	-	-	-
Videocon	3.24	-	-	-
MTNL	7.28	-	-	-
Total	899.86	356.68	39.64	

1.8 IDEA continues to be the Service provider with highest proportion of Rural subscribers (54.36), followed by Vodafone (53.47%) to their total subscribers.

Section B : Wireless Service

Table 1.6: List of Cellular Mobile (GSM & CDMA) Service Providers currently providing service [As on 30th September, 2013]

S1.No.	Service Provider	Area of Operation
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 except Assam, NE & J&K
7	IDEA	All India
8	Sistema Shyam Telelink	Delhi, Kolkata, Guj., KTK, T.N. incl. Chennai, Kerala, UP(W), Rajasthan & W.B.
9	BSNL	All India (except Delhi & Mumbai)
10	MTNL	Delhi & Mumbai
11	Loop Mobile (India) Ltd	Mumbai
12	Quadrant (HFCL)	Punjab
13	Unitech Group	MH, Guj., AP, UP(W), UP(E), Bihar
14	Videocon Telecommunications Ltd	Guj, Haryana, UP(W)*, UP(E)*, MP, Bihar*

* M/s Videocon has no subscriber in UP(W), UP(E) and Bihar service areas as on 30.09.2013.

1.9 Complete list of licensed Cellular (GSM & CDMA) Service providers as on 30th September, 2013 is at Annexure -1.1

1.10 Total Wireless (GSM+CDMA) subscriber base decreased from 873.36 million at the end of Jun-13 to 870.58 million at the end of Sep-13, thereby showing a negative growth of 0.32%. During this quarter net decline of 2.78 million subscribers was recorded. The year-on-year (Y-O-Y), wireless subscribers shows negative growth rate of 3.97% for Sep-13. Wireless Teledensity decreased from 71.08 at the end of Jun-13 to 70.63 at the end of Sep-13.

Chart 1.6: Wireless Subscriber Base and Teledensity

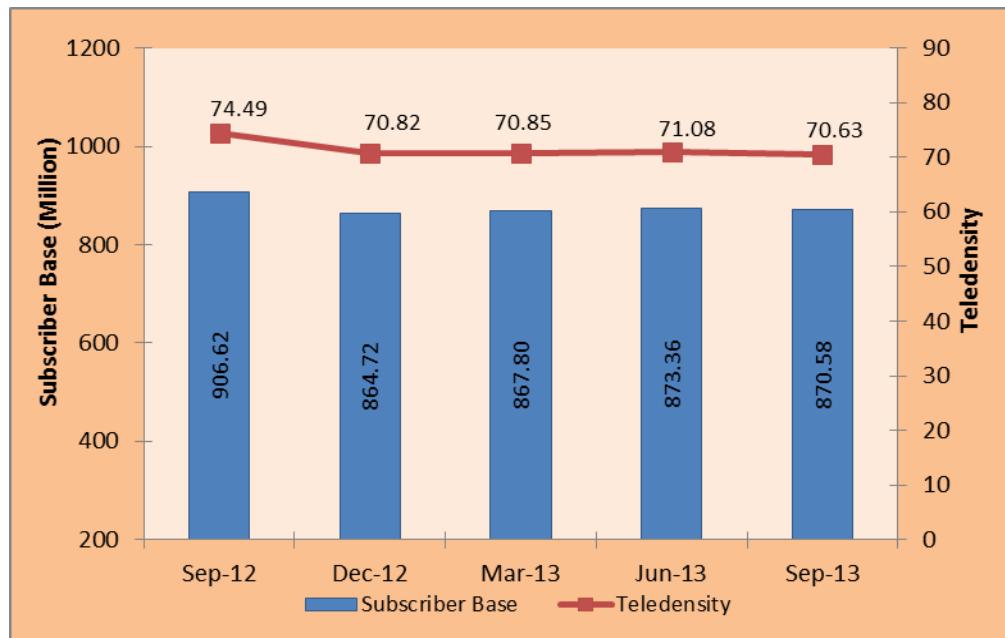


Table 1.7: Wireless Subscriber Base & Teledensity - Rural & Urban

Quarter ending	Subscriber Base (million)		Teledensity	
	Rural	Urban	Rural	Urban
Sep-12	334.92	571.70	39.52	154.64
Dec-12	331.60	533.12	39.04	143.48
Mar-13	342.50	525.30	40.23	140.67
Jun-13	351.10	522.27	41.14	139.16
Sep-13	350.37	520.21	40.96	137.93

- 1.11 The Rural Wireless subscribers decreased from 351.10 million at the end of Jun-13 to 350.37 million at the end of Sep-13.
- 1.12 Rural subscription declined at the rate of 0.21% in QE Sep-13 as against the positive growth rate of 2.51% in QE Jun-13. Urban subscription declined at the rate of 0.39% as against negative growth rate of 0.58% in the previous quarter. The share of Rural wireless subscription increased from 40.20% to 40.25% in total wireless subscription in this quarter.

Chart 1.7: Wireless Market Share - Rural & Urban

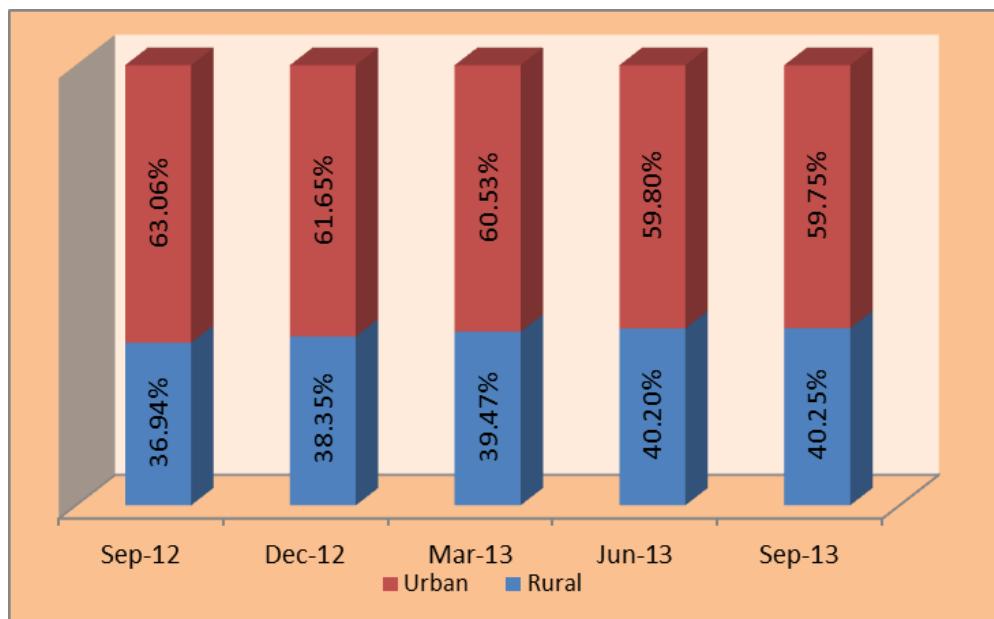


Table 1.8: Growth in Wireless Subscriber base

Service Provider	Subscriber Base (millions)			Rate of Growth (%)	Market Share □ Jun-13 (%)	Market Share □ Sep-13 (%)
	Jun-13	Sep-13	Net Additions			
Bharti	190.91	193.39	2.47	1.30	21.86	22.21
Vodafone	155.03	155.54	0.51	0.33	17.75	17.87
IDEA	124.97	127.23	2.26	1.81	14.31	14.61
Reliance	125.73	116.26	-9.47	-7.53	14.40	13.35
BSNL	97.99	97.86	-0.13	-0.14	11.22	11.24
Tata	64.63	63.55	-1.08	-1.67	7.40	7.30
Aircel	60.97	63.25	2.28	3.73	6.98	7.26
Unitech	32.30	32.36	0.06	0.19	3.70	3.72
Sistema	9.77	9.56	-0.21	-2.18	1.12	1.10
MTNL	4.51	3.74	-0.77	-17.07	0.52	0.43
Videocon	2.42	3.24	0.83	34.18	0.28	0.37
Loop	2.72	2.89	0.17	6.26	0.31	0.33
Quadrant	1.42	1.73	0.31	21.71	0.16	0.20
Total	873.36	870.58	-2.78	-0.32	-	-

1.13 Bharti remains the leading operator with 193.39 million subscribers at the end of Sep-13, followed by Vodafone (155.54 million) and Idea (127.23 million). In terms of net additions during the quarter, Bharti (2.47 million) has added the highest number of subscribers, followed by Aircel (2.28 million). Reliance has the maximum net loss of 9.47 million subscribers during this quarter.

Table 1.9: Service Area wise Wireless Subscriber base

Service Area	Subscriber base (in million)			
	Jun-13	Sep-13	Net Additions	Rate of change (%)
Andhra Pradesh	65.09	64.72	-0.37	-0.57
Assam	14.74	14.66	-0.08	-0.52
Bihar	60.01	58.32	-1.69	-2.82
Delhi	40.18	41.05	0.87	2.17
Gujarat	51.96	52.14	0.18	0.35
Haryana	19.91	19.90	-0.01	-0.06
Himachal Pradesh	7.01	7.03	0.02	0.28
Jammu & Kashmir	7.15	7.41	0.26	3.61
Karnataka	53.10	53.43	0.32	0.61
Kerala	31.14	31.00	-0.14	-0.45
Madhya Pradesh	53.22	53.47	0.24	0.46
Maharashtra	68.14	68.68	0.54	0.80
Mumbai	29.32	29.30	-0.02	-0.08
North East	9.20	9.38	0.18	1.96
Orissa	24.84	25.14	0.30	1.19
Punjab	29.82	30.20	0.38	1.29
Rajasthan	49.52	49.73	0.21	0.42
T.N. (incl. Chennai)	72.83	73.31	0.48	0.66
U.P.(E)	75.06	72.75	-2.31	-3.07
U.P.(W)	48.31	46.74	-1.57	-3.26
Kolkata	21.55	21.50	-0.05	-0.24
West Bengal	41.26	40.73	-0.53	-1.27
All India	873.36	870.58	-2.78	-0.32

Table 1.10: Service Area wise Wireless Teledensity

Service Area	As on 30th June, 2013			As on 30th September, 2013		
	Rural Teledensity	Urban Teledensity	Total Teledensity	Rural Teledensity	Urban Teledensity	Total Teledensity
Andhra Pradesh	42.65	159.94	75.27	42.58	157.97	74.69
Assam	31.95	128.41	46.88	32.22	124.13	46.49
Bihar	27.77	153.94	45.06	27.41	145.87	43.66
Delhi	-	-	203.79	-	-	206.73
Gujarat	52.48	130.43	84.47	53.61	128.72	84.50
Haryana	56.52	110.87	75.42	56.20	110.29	75.09
Himachal Pradesh	72.20	326.49	101.07	72.43	324.41	101.13
Jammu & Kashmir	38.16	115.58	59.30	39.90	117.97	61.26
Karnataka	42.45	160.63	87.31	43.65	159.27	87.63
Kerala	55.26	185.89	88.50	55.37	183.51	87.96
Madhya Pradesh	31.90	111.32	53.29	31.66	112.02	53.34
Maharashtra*	52.60	115.82	82.54	52.42	116.26	82.71
Mumbai*						
North East	40.91	150.98	67.96	41.38	153.93	69.10
Orissa	38.90	160.15	59.76	39.11	162.22	60.35
Punjab	65.61	145.44	99.46	66.72	145.98	100.43
Rajasthan	45.49	149.39	70.45	45.24	150.28	70.49
T.N. (incl. Chennai)	67.08	132.01	104.14	67.69	132.15	104.67
U.P.(E)*	34.09	132.56	56.29	32.86	127.80	54.30
U.P.(W)*						
Kolkata*	41.93	132.74	67.87	41.59	130.83	67.10
West Bengal*						
All India	41.14	139.16	71.08	40.96	137.93	70.63

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

Notes:

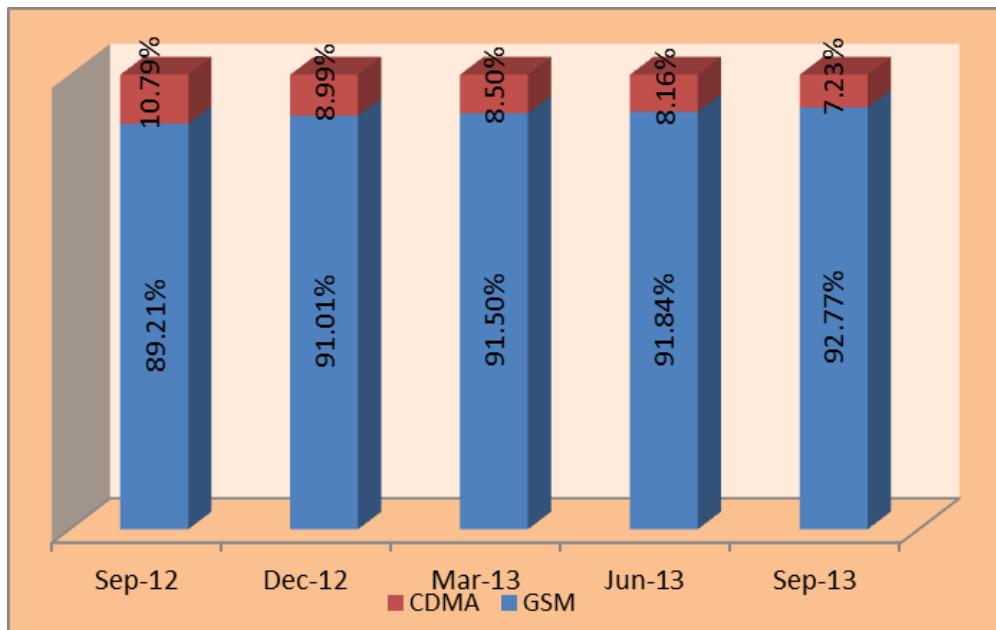
1. Teledensity figures are derived from the subscriber data provided by the operators and the population projections, for Urban and Rural areas, of the country, published by the Office of the Registrar General & Census Commissioner, India.
2. Delhi service area, apart from the State of Delhi, includes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

Table 1.11: Rural Wireless Subscriber base and Market Share

Service Provider	Subscribers at the end of Sep-13 (in millions)	Rural Subscribers (in millions)		% of Rural subscribers in total		Market Share of Rural Subscribers (%)	
		Jun-13	Sep-13	Jun-13	Sep-13	Jun-13	Sep-13
Bharti	193.39	85.90	86.81	45.00	44.89	24.47	24.78
Vodafone	155.54	84.01	83.19	54.19	53.48	23.93	23.74
IDEA	127.23	68.73	69.16	55.00	54.36	19.58	19.74
BSNL	97.86	33.78	33.55	34.48	34.28	9.62	9.58
Reliance	116.26	30.14	28.29	23.97	24.33	8.58	8.07
Aircel	63.25	22.73	23.25	37.28	36.76	6.47	6.64
Tata	63.55	14.12	14.45	21.85	22.73	4.02	4.12
Unitech	32.36	10.22	10.24	31.66	31.66	2.91	2.92
Sistema	9.56	1.42	1.40	14.54	14.61	0.40	0.40
Quadrant	1.73	0.03	0.04	2.15	2.29	0.01	0.01
MTNL	3.74	0.00	0.00	0.00	0.00	0.00	0.00
Videocon	3.24	0.00	0.00	0.00	0.00	0.00	0.00
Loop	2.89	0.00	0.00	0.00	0.00	0.00	0.00
Total	870.58	351.10	350.37	40.20	40.25	100	100

1.14 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



1.15 At the end of Sep-13, GSM subscribers constituted 92.77% of the wireless market.

GSM Services

1.16 The GSM subscribers were 807.68 million at the end of Sep-13 as against 802.12 million at the quarter ending Jun-13, showing a growth of 0.69%. Bharti with 193.39 million subscribers continues to be the largest GSM mobile operator, followed by Vodafone (155.54 million).

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

Service Provider	Jun-13		Sep-13		Net Additions (in million)
	No of Subscribers (in millions)	Market Share (%)	No of Subscribers (in millions)	Market Share (%)	
Bharti	190.91	23.80	193.39	23.94	2.47
Vodafone	155.03	19.33	155.54	19.26	0.51
Idea	124.97	15.58	127.23	15.75	2.26
BSNL	95.41	11.90	95.47	11.82	0.06
Reliance	86.39	10.77	83.85	10.38	-2.54
Aircel	60.97	7.60	63.25	7.83	2.28
Tata	45.26	5.64	45.13	5.59	-0.13
Unitech	32.30	4.03	32.36	4.01	0.06
MTNL	4.34	0.54	3.61	0.45	-0.72
Videocon	2.42	0.30	3.24	0.40	0.17
Loop	2.72	0.34	2.89	0.36	0.83
Quadrant	1.40	0.17	1.72	0.21	0.32
Total	802.12	100	807.68	100	5.56

1.17 There has been a net increase of 5.56 million GSM subscribers during the quarter ending Sep-13.

CDMA Services

1.18 The CDMA subscriber base further declined from 71.24 million at the end of Jun-13 to 62.91 million at the end of Sep-13, thereby showing a negative growth rate of 11.70%. Reliance with 32.42 million subscribers continues to be the largest CDMA mobile operator. In terms of net additions during the quarter, all the service providers recorded decline in subscriber base.

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

Service Provider	Jun-13		Sep-13		Net Addition/ Decline (in million)
	No of Subscribers (in million)	Market Share (%)	No of Subscribers (in million)	Market Share (%)	
Reliance	39.34	55.22	32.42	51.53	-6.93
Tata	19.36	27.18	18.41	29.27	-0.95
Sistema	9.77	13.71	9.56	15.19	-0.21
BSNL	2.58	3.62	2.39	3.79	-0.19
MTNL	0.18	0.25	0.13	0.21	-0.05
Quadrant (HFCL)	0.02	0.02	0.01	0.01	-0.01
Total	71.24	100	62.91	100	-8.34

1.19 There has been a net decline of 8.34 million CDMA subscribers during the quarter ending Sep-13.

Section C : Wireline Service

Table 1.14 : Service Providers providing Wireline Service

[as on 30th September, 2013]

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, Madhya Pradesh & Chhattisgarh, Maharashtra, Mumbai, Punjab, Tamil Nadu (incl. Chennai), Karnataka, Kerala, Kolkata, Rajasthan, UP(East) and UP(West)
4	Tata Teleservices Ltd. & Tata Teleservices (Mah) Ltd.	All India except N.E., Assam and J&K
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, Assam, Bihar, Delhi, Gujarat, Karnataka, Kolkata, Madhya Pradesh, Maharashtra, Mumbai, Orissa, Punjab, Rajasthan, Tamilnadu including Chennai, U.P.(East) & U.P.(West)

1.20 Total Wireline subscriber base declined from 29.73 million at the end of Jun-13 to 29.28 million at the end of Sep-13. Overall Wireline Teledensity is 2.38 at the end of this quarter. Rural subscriber base has shown decline of 3.01%, from 6.51 Million at the end of Jun-13 to 6.31 Million at the end of Sep-13. During the same period, Urban subscription recorded decline of 1.07%, from 23.22 million to 22.97 million.

Chart 1.9: Wireline Subscriber Base and Teledensity

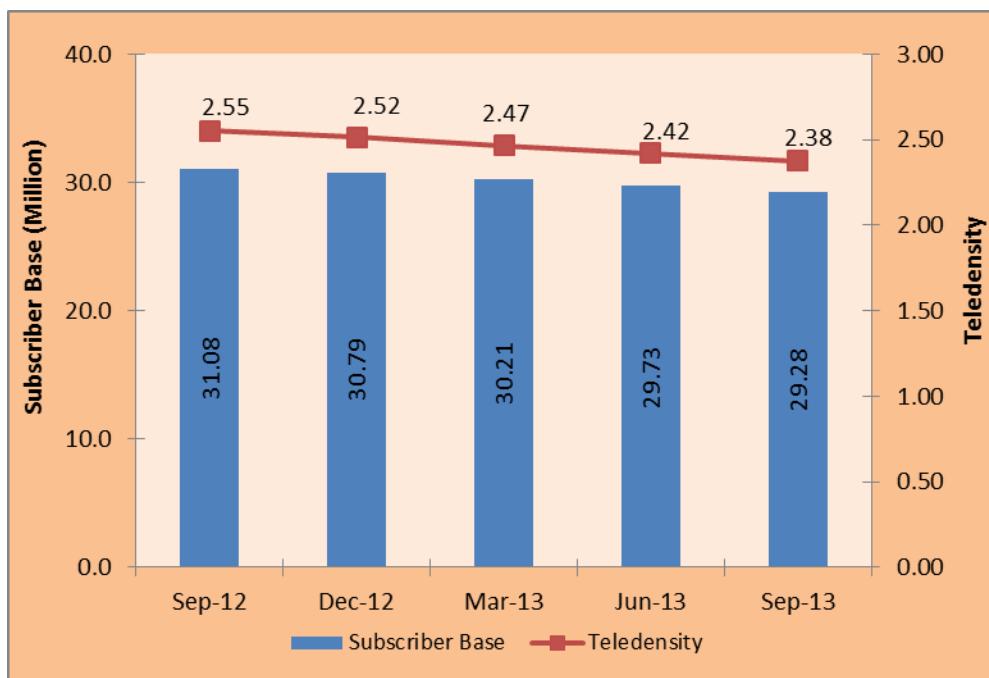


Table 1.15: Wireline Subscriber Base & Teledensity - Rural & Urban

Quarter ending	Subscriber Base (million)		Teledensity	
	Rural	Urban	Rural	Urban
Sep-12	7.10	23.99	0.84	6.49
Dec-12	6.95	23.84	0.82	6.42
Mar-13	6.71	23.50	0.79	6.29
Jun-13	6.51	23.22	0.76	6.19
Sep-13	6.31	22.97	0.74	6.09

Chart 1.10: Composition of Wireline Subscriber base - Rural & Urban

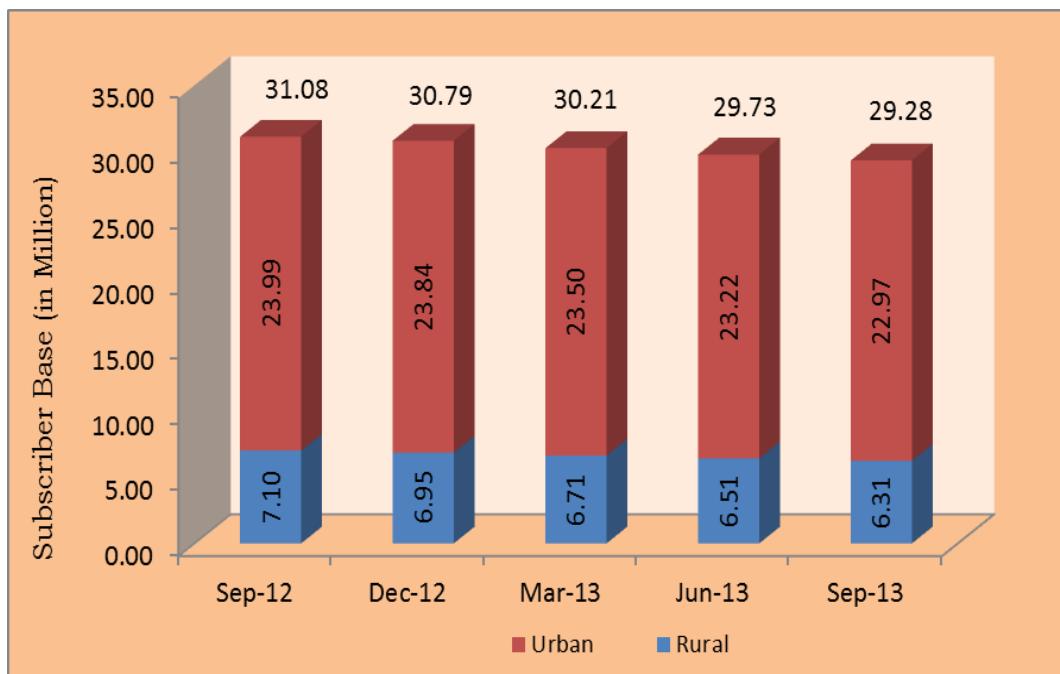


Table 1.16: Service Provider wise Subscriber base (Rural - Urban) & Share of Rural Subscription

Service Provider	Subscriber Base (million) Sep-13			Share of Rural subscription (%)
	Rural	Urban	Total	
BSNL	6.25	13.12	19.37	32.28%
MTNL	-	3.54	3.54	--
Bharti	-	3.34	3.34	--
Reliance	0.002	1.24	1.24	0.17%
Tata	0.05	1.44	1.49	3.30%
Quadrant (HFCL)	-	0.20	0.20	--
Sistema	0.01	0.05	0.05	16.36%
Vodafone	-	0.04	0.04	--
Total	6.31	22.97	29.28	21.56%

Table 1.17: Service Provider wise growth in Subscriber base

Service Provider	Subscriber Base (million)			Rate of change (%)	Market share-Jun-13 (%)	Market share-Sep-13 (%)
	Jun-13	Sep-13	Net Addition			
BSNL	19.89	19.37	-0.522	-2.62	66.91	66.14
MTNL	3.55	3.54	-0.007	-0.20	11.94	12.10
Bharti	3.28	3.34	0.056	1.70	11.04	11.40
Tata	1.47	1.49	0.020	1.37	4.95	5.09
Reliance	1.24	1.24	-0.001	-0.12	4.18	4.24
Quadrant	0.20	0.20	0.007	3.32	0.66	0.69
Sistema	0.05	0.05	0.001	1.35	0.18	0.19
Vodafone	0.04	0.04	0.002	5.29	0.14	0.15
Total	29.73	29.28	-0.445	-1.50		

Table 1.18: Service Area wise Wireline Subscriber base (in million)

Service Area	Jun-13	Sep-13	Net Additions	Rate of Change (%)
Andhra Pradesh	2.19	2.14	-0.050	-2.27%
Assam	0.19	0.19	-0.001	-0.49%
Bihar	0.39	0.39	-0.002	-0.50%
Delhi	2.97	3.05	0.080	2.68%
Gujarat	1.75	1.72	-0.024	-1.35%
Haryana	0.54	0.52	-0.017	-3.16%
Himachal Pradesh	0.27	0.26	-0.006	-2.20%
Jammu & Kashmir	0.19	0.19	-0.004	-2.11%
Karnataka	2.41	2.37	-0.034	-1.43%
Kerala	3.03	2.99	-0.048	-1.60%
Madhya Pradesh	1.12	1.10	-0.010	-0.93%
Maharashtra	2.40	2.36	-0.038	-1.60%
Mumbai	3.05	3.06	0.011	0.37%
North East	0.17	0.14	-0.025	-14.70%
Orissa	0.37	0.36	-0.008	-2.30%
Punjab	1.30	1.28	-0.025	-1.95%
Rajasthan	1.00	0.98	-0.019	-1.90%
T.N. (incl. Chennai)	3.06	3.01	-0.057	-1.85%
U.P.(E)	1.01	0.87	-0.136	-13.50%
U.P.(W)	0.67	0.65	-0.014	-2.15%
Kolkata	1.12	1.11	-0.006	-0.52%
W.B.	0.54	0.53	-0.011	-2.05%
All India	29.73	29.28	-0.445	-1.50%

- 1.21 Only Delhi & Mumbai Service Areas showed positive growth in wireline service during this quarter.

Table 1.19: Service Area wise Wireline Teledensity

Service Area	As on 30th June, 2013			As on 30th September, 2013		
	Rural Teledensity	Urban Teledensity	Total Teledensity	Rural Teledensity	Urban Teledensity	Total Teledensity
Andhra Pradesh	0.96	6.60	2.53	0.93	6.46	2.47
Assam	0.14	3.20	0.61	0.14	3.17	0.61
Bihar	0.10	1.52	0.29	0.10	1.51	0.29
Delhi	-	-	15.08	-	-	15.37
Gujarat	0.96	5.54	2.84	0.93	5.46	2.79
Haryana	0.92	4.16	2.04	0.87	4.04	1.97
Himachal Pradesh	3.30	8.49	3.89	3.16	8.75	3.80
Jammu & Kashmir	0.40	4.83	1.61	0.39	4.71	1.57
Karnataka	0.98	8.82	3.95	0.95	8.68	3.89
Kerala	7.64	11.50	8.62	7.51	11.28	8.47
Madhya Pradesh	0.22	3.56	1.12	0.22	3.50	1.10
Maharashtra*	0.96	8.68	4.61	0.93	8.62	4.58
Mumbai*						
North East	0.39	3.87	1.24	0.35	3.22	1.06
Orissa	0.30	3.67	0.88	0.29	3.61	0.86
Punjab	2.17	7.30	4.34	2.11	7.13	4.25
Rajasthan	0.46	4.45	1.42	0.44	4.37	1.38
T.N. (incl. Chennai)	1.79	6.33	4.38	1.76	6.18	4.29
U.P.(E)*	0.20	2.70	0.76	0.17	2.48	0.69
U.P.(W)*						
Kolkata*	0.38	5.33	1.79	0.38	5.25	1.77
W.B.*						
All India	0.76	6.19	2.42	0.74	6.09	2.38

* Population data/projections are available state-wise only

Note:

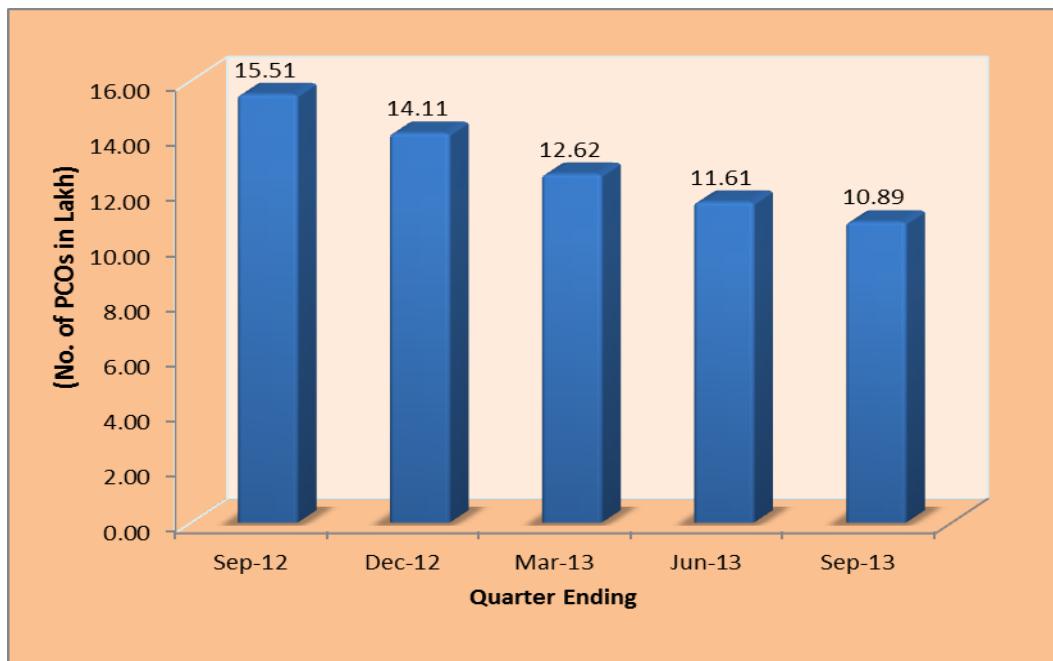
1. Teledensity figures are derived from the subscriber data provided by the operators and the population projections, for Urban and Rural areas, of the country, published by the Office of the Registrar General & Census Commissioner, India.

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

Public Call Offices (PCO)

- 1.23 Total number of PCOs in the country at the end of Sep-13 is 10.89 lakh as compared to 11.61 lakh at the end of Jun-13, showing a decline of 0.72 lakh PCOs. Detailed table is at Annexure -1.4.

Chart 1.11: Number of PCOs



- 1.24 Number of PCOs continued to show declining trend. This quarter has recorded a decline of 6.18%. The year-on-year (Y-O-Y) decline over the same quarter of the last year is 29.76%.

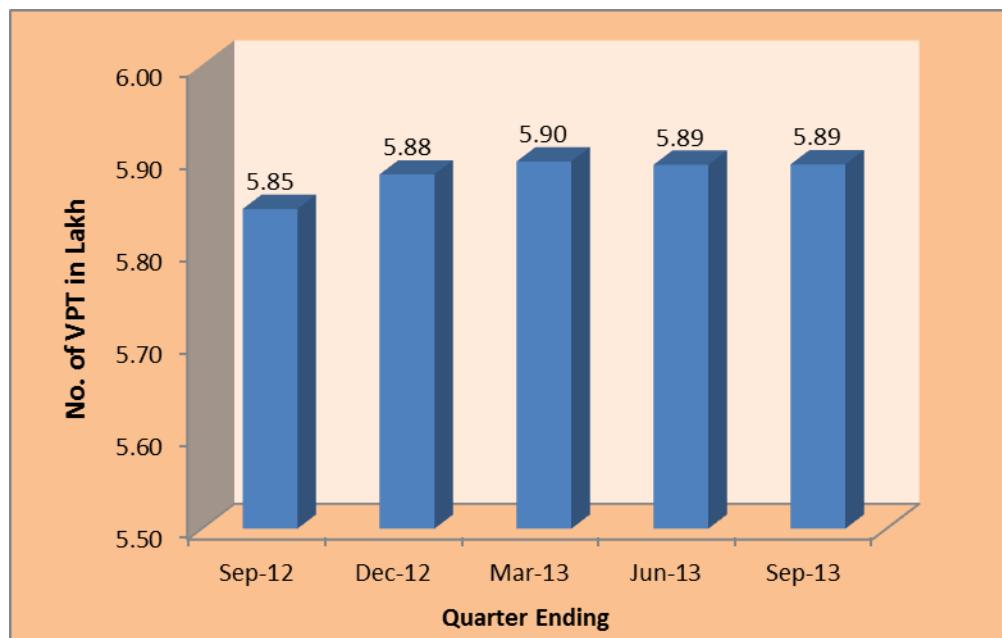
Table 1.20: Rate of change & Market share of PCOs

Service Provider	Jun-13 (In Lakh)	Sep-13 (In Lakh)	Rate of change (%)	% Market share (Sep-13)
BSNL	7.37	6.95	-5.72	63.81
MTNL	1.49	1.47	-1.14	13.52
Bharti	0.33	0.34	2.46	3.11
Quadrant	0.04	0.04	-6.05	0.33
Sistema	0.13	0.12	-1.77	1.15
Tata	1.20	1.03	-14.18	9.46
Reliance	1.05	0.94	-10.72	8.63
Vodafone	-	-	-	-
Total	11.61	10.89	-6.18	

Village Public Telephones (VPTs)

- 1.25 There are 5,93,731 inhabited villages in India as per census 2001. At the end of the quarter, 99.26% of the total inhabited villages in India have been connected by VPT. The number of VPTs increased from 5,89,272 at the end of Jun-13 to 5,89,313 at the end of Sep-13.
- 1.26 BSNL (5,82,323) has 98.8% market share of total VPTs followed by Tata (3953) with 0.7%. Detailed table is at Annexure -1.5.

Chart 1.12: Growth in VPTs



Section D: Internet Service

1.27 Total number of internet subscribers including internet access by mobile device subscribers increased from 198.39 million at the end of Jun-13 to 210.38 million at the end of Sep-13, registering a quarterly growth of 6.04%.

Table 1.21: State wise Internet subscriber base including internet access by mobile devices

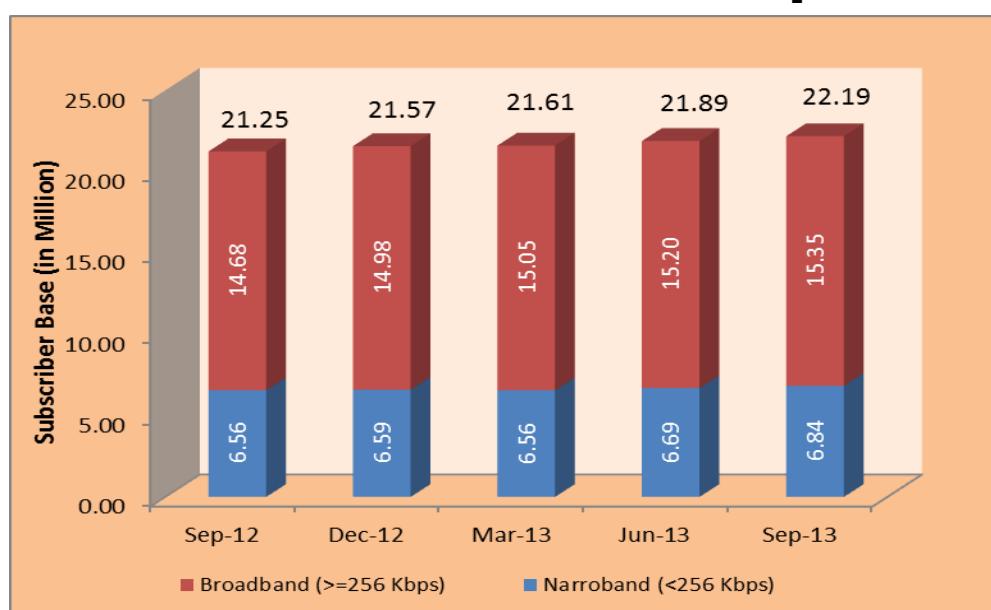
S.No	Name of State	Total Internet Subscriber base (in million)
1	Maharashtra (including Mumbai & Goa)	33.53
2	Uttar Pradesh (including Uttarakhand)	20.87
3	Tamil Nadu (including Chennai & Pondicherry)	16.81
4	Delhi	16.23
5	Andhra Pradesh	15.62
6	Gujarat	13.92
7	Karnataka	13.46
8	West Bengal (including Kolkata & A&N)	12.10
9	Madhya Pradesh (including Chhattisgarh)	10.98
10	Rajasthan	10.54
11	Kerala	9.80
12	Bihar (including Jharkhand)	9.69
13	Punjab (including Chandigarh)	9.02
14	Haryana	4.66
15	Orissa	3.71
16	Assam	3.37
17	North East (including Arunachal Pradesh, Meghalaya, Mizoram, Nagaland, Manipur & Tripura)	2.39
18	J & K	2.12
19	Himachal Pradesh	1.56
	Total	210.38

1.28 In this section, report of statistics in respect of Internet Service is divided into two parts. **Part-I** is Internet Subscribers Statistics other than internet access by mobile devices and **Part-II** is Internet Services access by mobile devices subscribers.

Part-I : Internet Access (except through mobile devices)

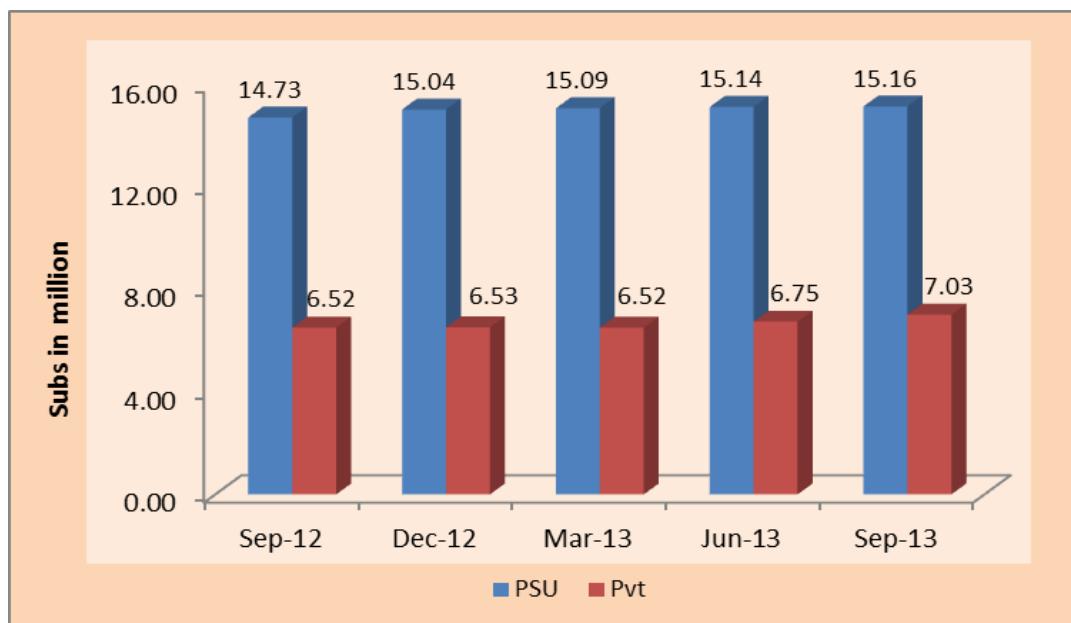
- 1.29 There are 182 service providers providing internet service (except internet access by mobile device). Out of these, 126 service providers have submitted their internet performance report for the quarter ending September, 2013. In respect of the service providers, who did not submit their report in this quarter (constitute about 1.16% market share), data from the previous available report has been retained.
- 1.30 There were 22.19 million internet subscribers excluding those subscribers accessing internet by mobile devices, at the end of Sep-13 as compared to 21.89 million at the end of Jun-13, registering a quarterly growth of 1.38%.
- 1.31 The definition of Broadband has been revised by DoT on 18th July, 2013. The service providers had been asked to make necessary modifications to their reporting systems and to furnish the data as per the revised definition from the next quarter. Therefore the data/information contained in this part of the report is as per the pre-revised definition of the broadband.

Chart 1.13: Trends in Internet subscription



- 1.32 In the internet subscription (except internet access by mobile devices), share of Broadband subscription is 69.18% and share of Narrowband subscription is 30.82% at the end of Sep-13.
- 1.33 Number of Broadband subscribers increased from 15.20 million at the end of Jun-13 to 15.35 million at the end of Sep-13, registering a quarterly growth of 0.99% and Y-O-Y growth of 4.52%.
- 1.34 Number of Narrowband subscribers increased from 6.69 million at the end of Jun-13 to 6.84 million at the end of Sep-13, thereby showing a quarterly growth of 2.25%.

Chart 1.14 : Trends in subscribers (in Million) of PSUs Vs. Pvt. Internet Service Providers (except internet access by mobile device)



Note : PSU includes BSNL, MTNL, ERNET India, Gujarat Info Petro Ltd., West Bengal Electronics Industry Development Corp. Ltd., Power Grid Corporation of India Ltd., Software Technology Park of India and RailTel Corporation of India Ltd.

Internet Telephony

- 1.35 As per the reports available with the TRAI, 33 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 SPs is reported to be 1282.21 GB during the quarter ending Sep-13 as compared to 1179 GB at the quarter ending Jun-13.

**Table 1.22 : Internet Subscriber Base & Market share of top 10 SPs
(except internet access by mobile devices)**

S.No	SP	Category	Service Area	Subs	Share(%)
1	Bharat Sanchar Nigam Ltd.	A	All India	13174114	59.38
2	Reliance Communications Infrastructure Limited	A	All India	2751700	12.40
3	Mahanagar Telephone Nigam Ltd.	B	Delhi & Mumbai	1977783	8.91
4	Bharti Airtel Ltd.	A	All India	1443175	6.50
5	Hathway Cable & Datacom Pvt. Ltd.	A	All India	375820	1.69
6	You Broadband & Cable India Private Limited	A	All India	372931	1.68
7	Beam Telecom Pvt. Ltd.	B	Andhra Pardesh	326417	1.47
8	Tikona Digital Networks Pvt Ltd	A	All India	259008	1.17
9	Quadrant Televentures Ltd. (HFCL Infotel Ltd.)	B	Punjab	125945	0.57
10	Asianet Satellite Communications Ltd.	B	Kerala/ Tamil Nadu	119766	0.54
Total of Top 10 ISPs				20926659	94.32
Others				1259719	5.68
Grand Total				22186378	

1.37 BSNL holds 59.38% of the market share with reported subscriber base of 13.17 million Internet subscribers at the end of Sep-13. Reliance is at second position (2.75 million) followed by MTNL (1.98 million). Detailed table of all the SPs is available at Annexure-1.7

1.38 Top 10 SPs together hold 94.32% of the total Internet subscriber base (excluding subscribers of internet access by mobile devices).

**Chart 1.15: Growth in subscriber base achieved by top ten ISPs
(except internet access by mobile devices)**

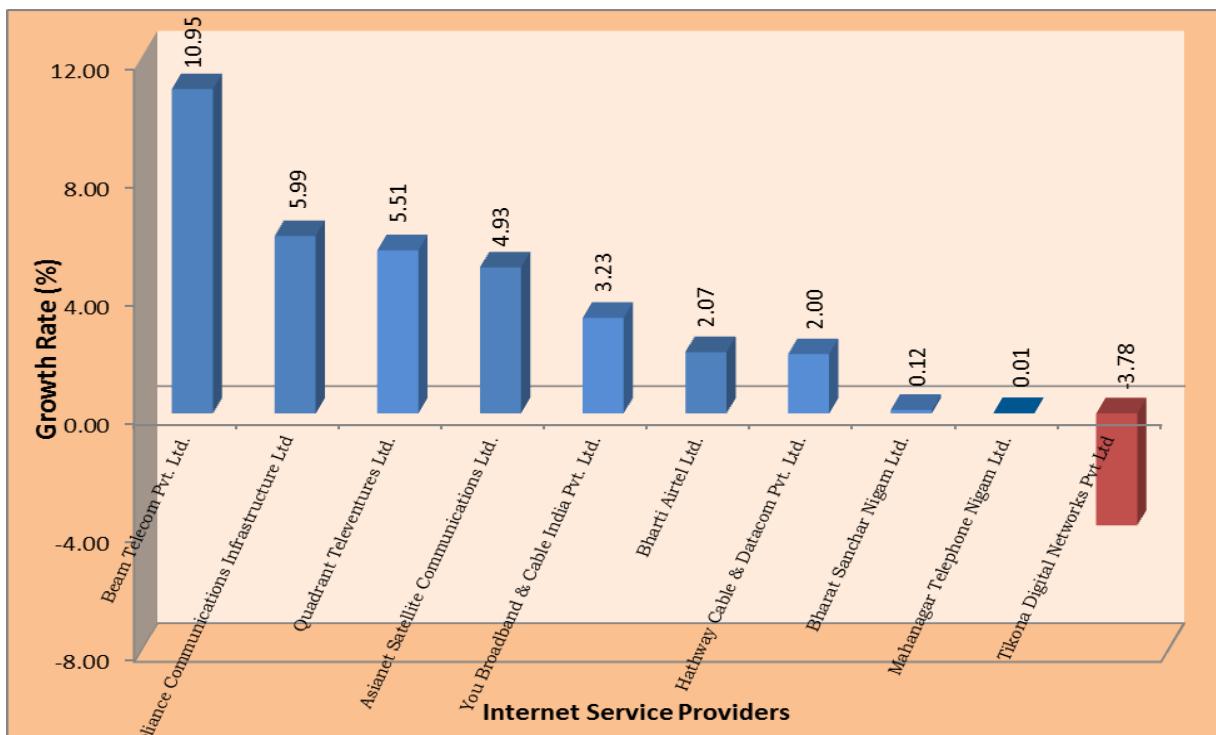


Chart 1.16: Technology trends for Internet Access including Broadband Service (except internet access by mobile devices)

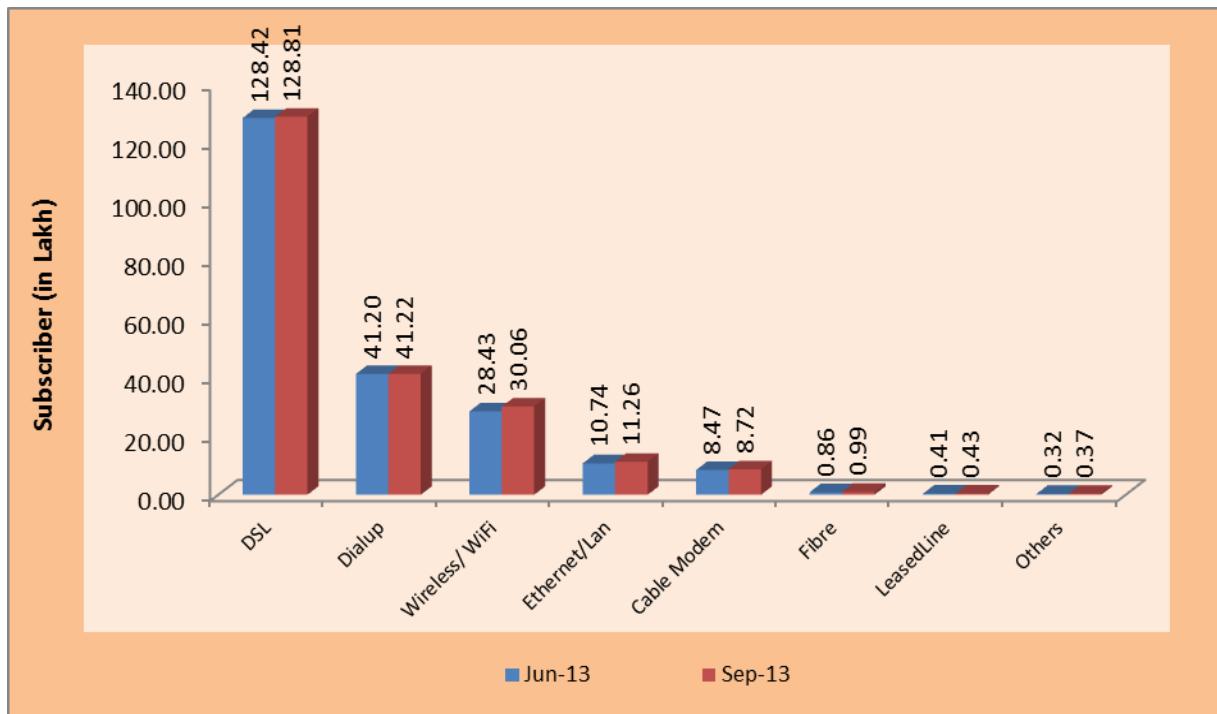
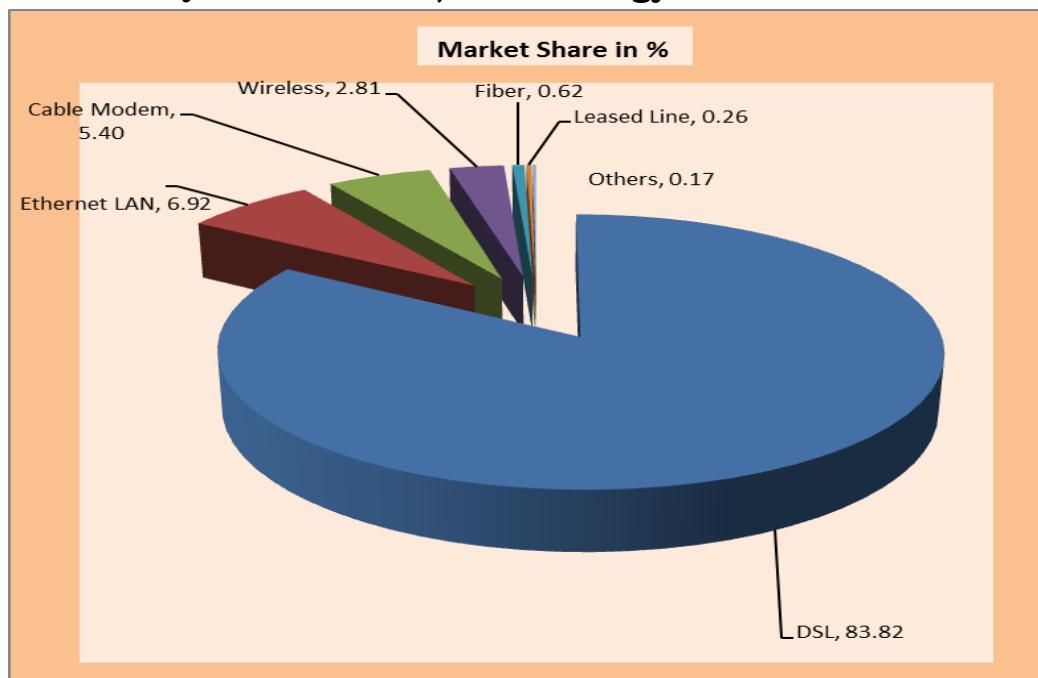
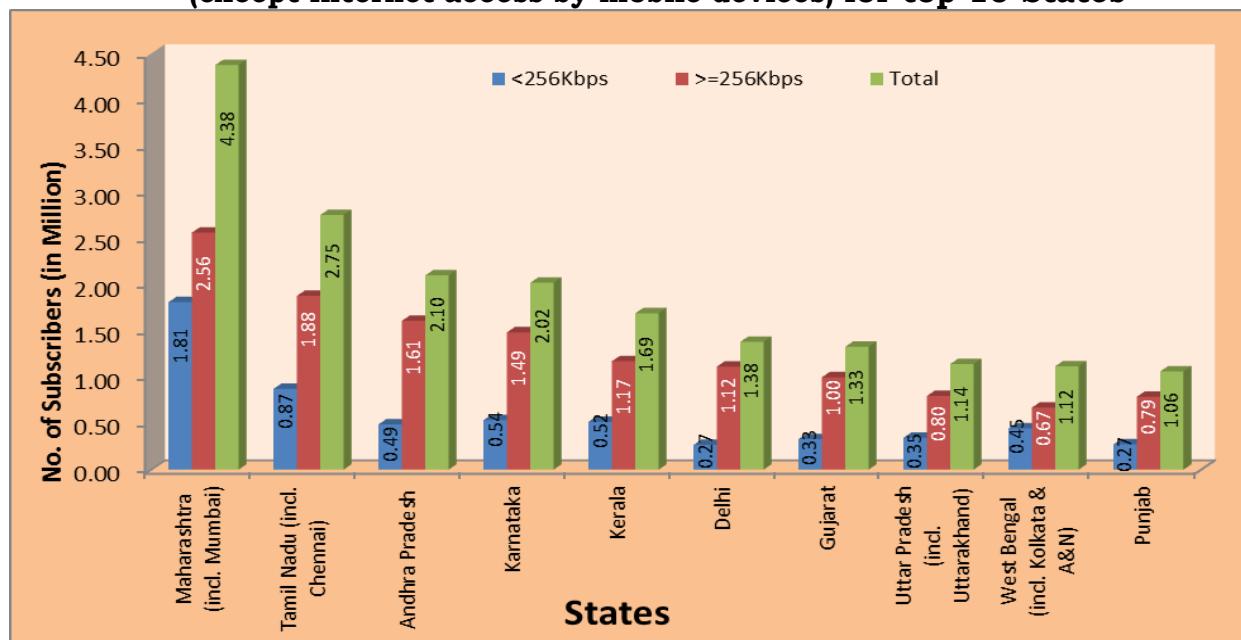


Chart 1.17 : Composition of Broadband subscribers (except internet access by mobile devices) - Technology wise



1.39 DSL (Digital Subscriber Line) is the most preferred technology used by the Service Providers to provide Broadband Services and it constitutes 83.82% of total broadband subscribers, followed by Ethernet LAN (6.92%) and Cable Modem (5.40%).

Chart 1.18: Speed Category wise data on Internet/broadband subscribers (except internet access by mobile devices) for top 10 States



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

Part-II : Internet Access through Mobile Devices

1.41 13 service providers are providing internet services through mobile devices. Out of these 13 service providers, 12 service providers have submitted their performance monitoring report. BSNL has not provided their reports.

1.42 In the month of Sep-13, 188.20 million subscribers accessed internet through mobile devices as per the information received from 12 service providers (except BSNL).

Table 1.213 : Service Provider wise Subscriber base and Market Share of internet access by wireless phone subscribers

Sl. No.	Service Providers	Total No. of subscribers (in million)	Market Share (%)
1	Bharti	49643445	26.38
2	Vodafone	42519720	22.59
3	Idea Cellular	36861833	19.59
4	Reliance	28511893	15.15
5	Aircel	14232919	7.56
6	Unitech	5301837	2.82
7	MTNL	3481816	1.85
8	Tata	2815911	1.50
9	Loop	2752153	1.46
10	Sistema Shyam (MTS)	1207766	0.64
11	Videocon	573558	0.30
12	Quadrant Televentures	292380	0.16
Total		188,195,231	

Note : BSNL has not provided their reports.

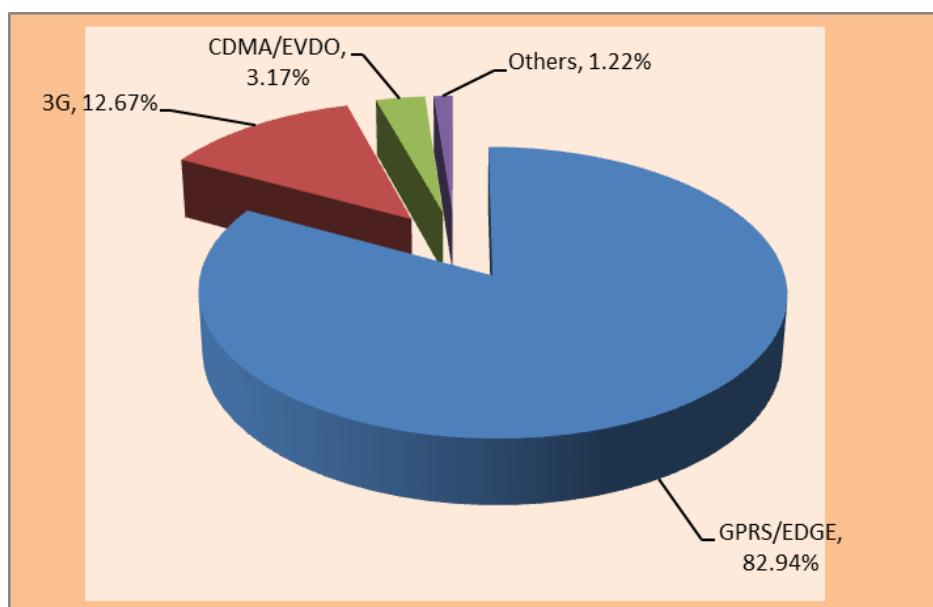
1.43 Bharti Airtel is a leading service provider with market share of 26.38%, followed by Vodafone i.e. 22.59% and Idea Cellular (19.59%) in internet access by mobile devices subscribers at the end of Sep-13.

Table 1.24 : Service Area wise Subscriber base of internet access by mobile devices

S. No.	State	Subscriber base
1	Maharashtra (including Mumbai & Goa)	29.14
2	Uttar Pradesh (including Uttarakhand)	19.73
3	Delhi	14.85
4	Tamil Nadu (including Chennai & Pondicherry)	14.06
5	Andhra Pradesh	13.52
6	Gujarat	12.59
7	Karnataka	11.44
8	West Bengal (including Kolkata & A&N)	10.98
9	Madhya Pradesh (including Chhattishgarh)	10.05
10	Rajasthan	9.77
11	Bihar (including Jharkhand)	9.41
12	Kerala	8.11
13	Punjab (including Chandigarh)	7.96
14	Haryana	4.18
15	Orissa	3.42
16	Assam	3.26
17	North East (including Arunachal Pradesh, Meghalaya, Mizoram, Nagaland, Manipur & Tripura)	2.26
18	J & K	2.02
19	Himachal Pradesh	1.45
20	Total	188.20

Note: BSNL has not provided its report.

Chart 1.19 : Technology Trend for internet access by mobile devices.



Section E : Other Value Added Services - PMRTS & VSAT

Public Mobile Radio Trunk Services (PMRTS)

Table 1.25 : PMRTS Subscriber base - Service Provider wise

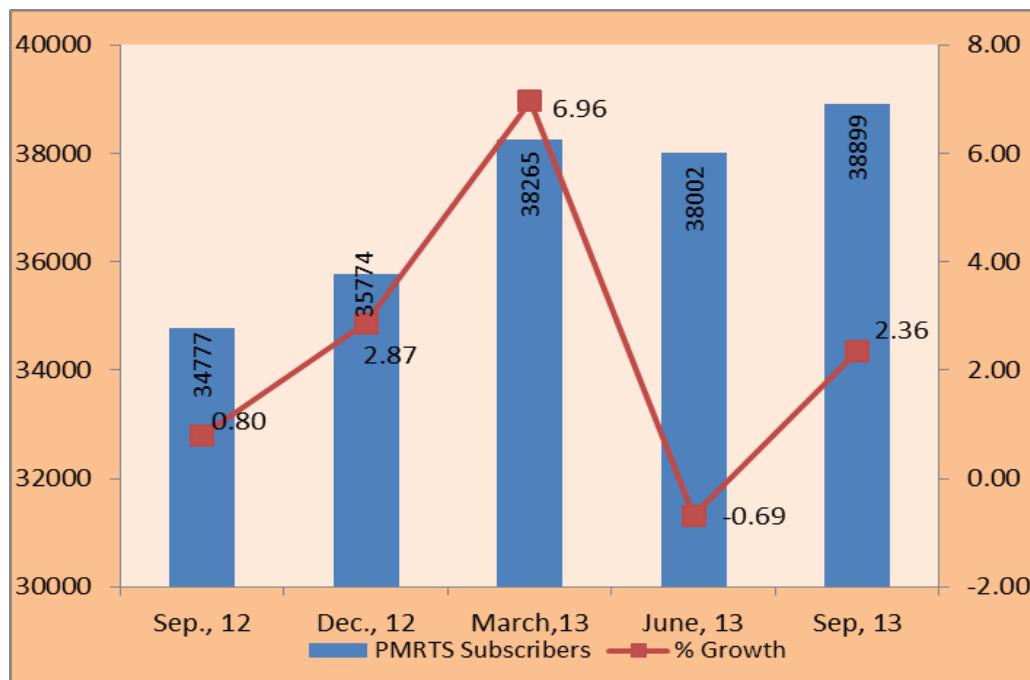
Sr. No.	Name of the Service Provider	Subscriber Base as on 31.06.13	Subscriber Base as on 30.09.13	%age Growth in Subscribers	%age in Market Share
1	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	31006	28494	-8.10	73.25
2	Procall Ltd.	3880	5740	47.94	14.76
3	Smartalk Pvt Ltd.	469	1014	116.20	2.61
4	QuickCall	1939	2550	31.51	6.56
5	Bhilwara Telenet Services Pvt.Ltd.	708	1101	55.51	2.83
6	India Satcom Ltd.	0	0	0.00	0.00
	Total	38002	38899	2.36	

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

- 1.44 The subscriber base of PMRTS increased from 38,002 at the end of Jun-13 to 38,899 at the end of Sep-13 with quarterly growth rate of 2.36%.

- 1.45 Detailed table on Service Area wise subscriber base of PMRTS is at Annexure-1.8.

Chart 1.20: Number of PMRTS subscribers & Rate of Growth (%)



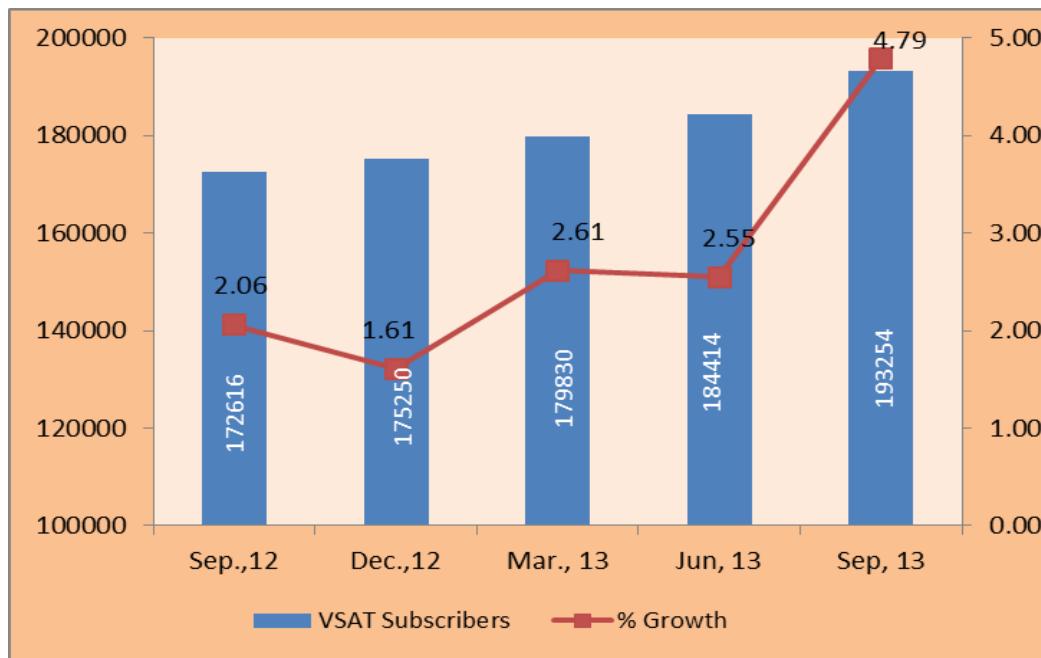
Very Small Aperture Terminal (VSAT)

Table 1.26: VSAT Service Providers currently providing service & their subscriber base

Sr. No	Name of Service Providers	Subscriber base at the Quarter ending		%age Growth	Market Share (%)
		Jun-13	Sep-13		
1	Hughes Communications Ltd.	73045	77399	5.96	40.05
2	Bharti Airtel Limited,	49088	50334	2.54	26.05
3	Tatanet Services	22842	25985	13.76	13.45
4	HCL Comnet	22202	21981	-1.00	11.37
5	BSNL	12660	12978	2.51	6.72
6	Essel Shyam	2728	2728	0.00	1.41
7	Infotel Satcom	1713	1713	0.00	0.89
8	Bharti Broadband	129	129	0.00	0.07
9	Infinium India Ltd.	7	7	0.00	0.00
	Total	184414	193254	4.79	

- 1.46 The total number of VSAT subscribers increased from 1,84,414 at the end of Jun-13 to 1,93,254 at the end of Sep-13. Net additions during the quarter has been 8,840 at the quarterly growth rate of 4.79%.
- 1.47 Hughes Communication Limited with subscriber base of 77,399 continues to be the market leader.
- 1.48 Tatamat Service has recorded maximum growth rate of 13.76%, whereas HCL Commet has registered 1% decline in VSAT subscribers in this quarter.

Chart 1.21: Number of VSAT Subscribers & Rate of Growth (%)



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 usage charges and roaming settlement charges.
 - The data contained in the section A & B covers the licensees, who have been providing service during the entire period from 1st July, 2013 to 30th September, 2013 in the various service areas.

Section A: GSM Service

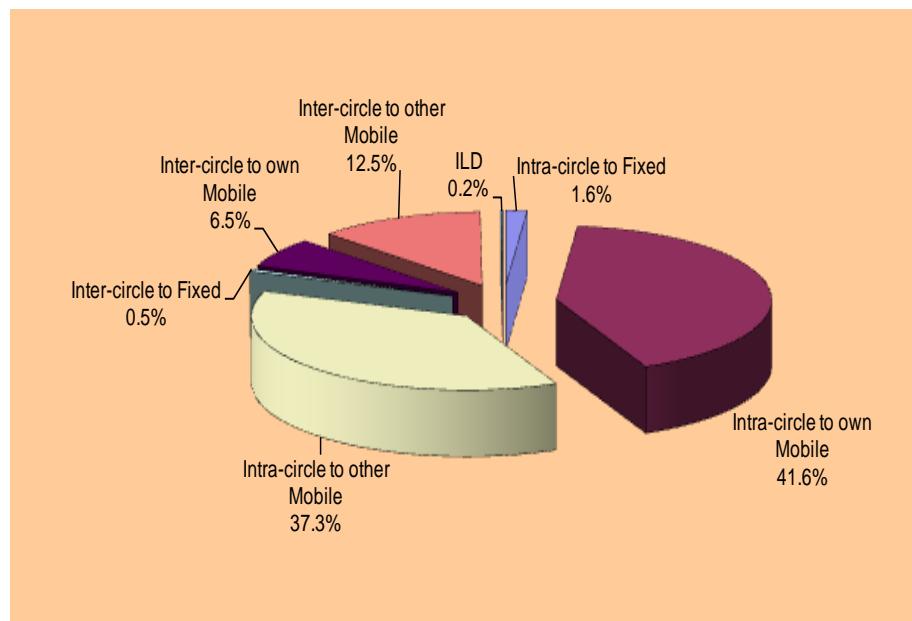
Table 2.1: Key Indicators - GSM Service

Parameter	Q.E. Sep-13	Q.E. Jun-13	Q.E. Sep-12	QoQ %age change over Jun-13	YoY %age change over Sep-12
Subscriber Base# (million)	807.16	801.62	808.87	0.69	-0.21
Share of Prepaid (%)	96.07	96.21	96.64	-0.14	-0.59
Incoming MOU* per sub. per month	193	199	177	-3.10	8.89
Outgoing MOU* per sub. per month	182	189	166	-3.38	9.98
Outgoing SMS per sub. per month	29	27	36	7.03	-18.74
Average Revenue Per User (ARPU) per month	109	111	95	-2.12	14.52

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

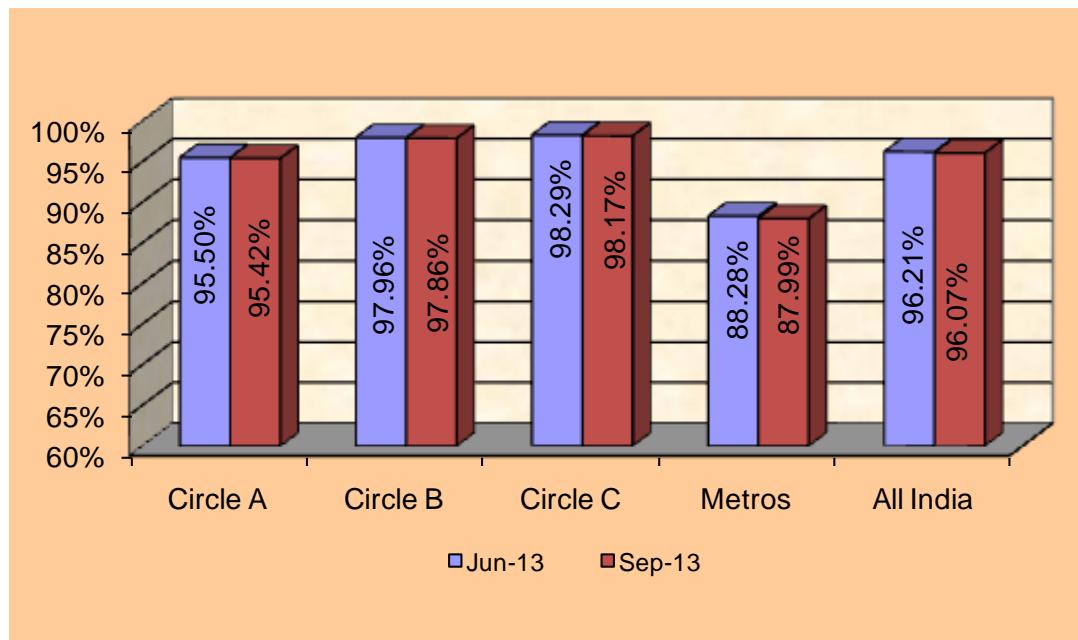
* Minutes of Usage

Chart 2.1: Break-up of Outgoing minutes from Home Service Area (HSA) - GSM Service



- 2.1 The following chart depicts prepaid subscribers as a % of total subscribers as on the last day of the respective quarters for various categories of circles.

Chart 2.2: Proportion of prepaid subscribers - GSM Service



- 2.2 Market share of prepaid segment slightly declined from 96.21% at the end of Jun-13 to 96.07% at the end of Sep-13.
- 2.3 The ARPU per month (all India, blended) decreased from Rs.111 in Q.E. Jun-13 to Rs. 109 in Q.E. Sep-13. The following table presents the ARPU per month for various categories of circles and various platforms for payment viz. post-paid and pre-paid.

Table 2.2: Monthly ARPU - GSM Service

Circle Category	ARPU per month in Q.E. September 2013		
	Post-paid	Pre-paid	Blended
Circle A	448	99	115
Circle B	438	91	98
Circle C	441	95	101
Metros	506	97	145
All India	463	95	109
All private SPs	472	98	113
BSNL/MTNL	393	71	83

- 2.4 The ARPU per month for pre-paid segment decreased from Rs.97 to Rs.95 and the ARPU per month for post-paid segment decreased from Rs.480 to Rs.463.
- 2.5 The following table presents the composition of ARPU per month in the Q.E. Sep-13.

Table 2.3: Composition of ARPU per month - GSM Service

S. No.	Item	Revenue (excl. service tax) per subscriber per month (in Rs.)	% share of total revenue from subscribers
1	Usage from Home Service Area		
1.1.	Rental Revenue	18.70	15.42
1.2.	Revenue from calls	70.97	58.52
1.3.	Revenue from SMS	4.09	3.37
1.4.	Revenue from data usage	12.41	10.24
1.5.	Revenue from other VAS	6.25	5.16
1.6.	Other revenue	1.85	1.52
2	Usage outside Home Service Area		
2.1.	Revenue from outroamers	6.99	5.76
3	Total revenue from subscribers (1+2)	121.26	100
4	Net inter-operator settlement charges receivable *	-12.18	
5	Net Revenue (ARPU) per month(3+4)	109.08	

* includes Interconnect Usages Charges and roaming settlement charges

- 2.6 From the above table, it may be seen that the net inter-operator settlement charges payable (Rs.12.18) accounts for 10.04% of the total revenue from subscribers.
- 2.7 On an all India average, the overall MOU per subscriber per month decreased from 388 in QE Jun-13 to 375 in QE Sep-13. The following table presents the total minutes of usage (MOU) and SMS usage (usage from, and outside, the home service area) per subscriber per month for various categories of circles.

Table 2.4: MOU per subscriber per month - GSM Service

Circle category	MOU per subscriber per month								
	Postpaid			Prepaid			Blended		
	Outgoing MOU	Incoming MOU	Total MOU	Outgoing MOU	Incoming MOU	Total MOU	Outgoing MOU	Incoming MOU	Total MOU
Circle A	587	421	1008	166	166	332	185	178	363
Circle B	585	399	984	156	186	342	165	191	356
Circle C	533	429	962	178	227	406	185	231	415
Metro	560	382	943	200	176	376	243	200	443
All India	575	406	981	167	184	351	182	193	375

Note: MOU indicate total usage i.e. usage from and outside HSA

- 2.8 The overall ratio of incoming MOU and outgoing MOUs remained unchanged 51:49 during the quarter ending Sep-13.
- 2.9 Outgoing SMS per subscriber per month increased from 27 in Q.E. Jun-13 to 29 in Q.E. Sep-13. The following table presents the outgoing SMS usage (usage from, and outside, the home service area) per subscriber per month for various categories of circles and various platforms for payment viz. post-paid and pre-paid.

Table 2.5: Outgoing SMS per subscriber per month - GSM Service

Circle category	Outgoing SMS per subscriber month		
	Postpaid	Prepaid	Blended
Circle A	77	43	44
Circle B	50	18	18
Circle C	40	17	17
Metro	66	33	37
All India	65	28	29

Note: SMS indicate total usage i.e. usage from and outside HSA

Chart 2.3 : Minutes of Usage by Outroamers as a % of Total Minutes of Usage

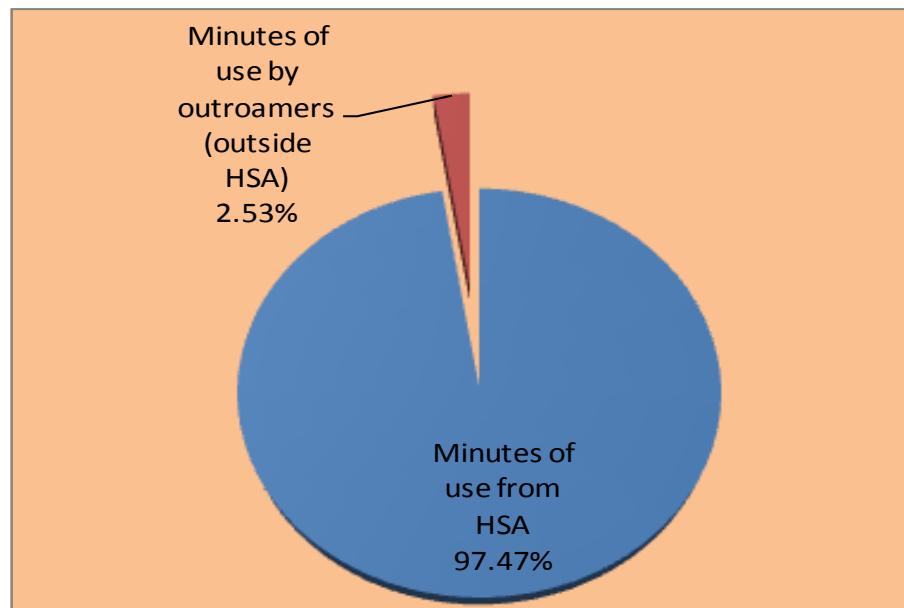
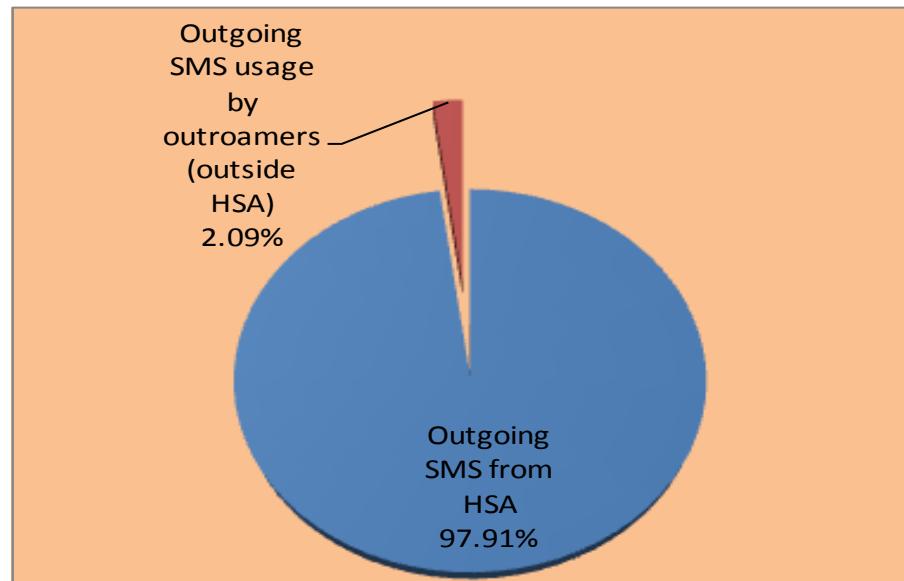


Chart 2.4: Outgoing SMS Usage by Outroamers as a % of Total Outgoing SMS Usage



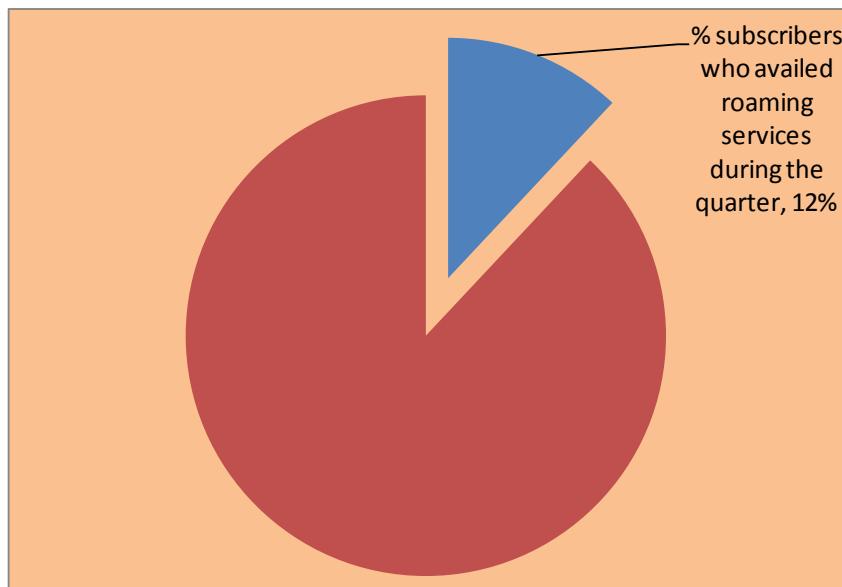
- 2.10 The following table presents the percentage break-up of outgoing minutes of usage from home service area between various categories of termination networks.

Table 2.6: %Break-up of Outgoing minutes from Home Service Area (HSA)

Circle category	% Intra-circle to wireline	% Intra-circle to own wireless	% Intra-circle to other wireless	% Inter-circle to wireline	% Inter-circle to own wireless	% Inter-circle to other wireless	% ILD
Circle A	1.78	39.88	41.65	0.38	4.66	11.49	0.16
Circle B	1.23	43.89	37.10	0.34	7.10	10.19	0.14
Circle C	1.28	52.92	30.64	0.68	4.98	9.44	0.06
Metros	2.37	26.46	32.73	0.77	11.56	25.76	0.34
All India	1.58	41.62	37.26	0.46	6.45	12.48	0.16

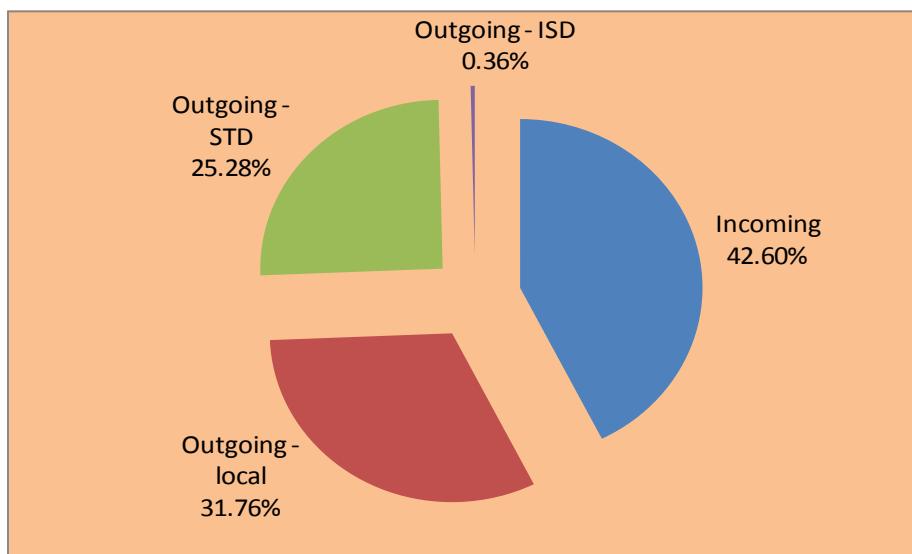
2.11 The chart given below presents the percentage of subscribers who availed roaming services (outroamers) during the quarter.

Chart 2.5: % subscribers who availed roaming services during the quarter



2.12 The usage pattern of outroamers i.e. usage from outside the home service area shows that incoming minutes accounts for 42.6% of the total minutes of usage by outroamers as against 41.63% in the previous quarter. The chart given below presents the break-up of minutes of usage of outroamers during the Q.E. September 2013.

Chart 2.6: % Break-up of minutes of usage of outroamers (usage from outside the Home Service Area)



Average Subscriber outgo* per Outgoing Minute for usage from Home Service Area (HSA)

2.13 The tariff plans are of bundled nature and the trade-off is generally between monthly fixed charges and variable (call) charges. Therefore, average subscriber outgo per outgoing minute for usage from Home Service Area (HSA) as defined below would be a realistic indicator of average tariff.

Average Subscriber Outgo per Outgoing Minute for usage from HSA

$$= \frac{\text{Rental revenue} + \text{revenue from outgoing calls from HSA}}{\text{No. of outgoing minutes from HSA}}$$

Table 2.7: Average subscriber outgo per outgoing minute from HSA - GSM Service

(₹ per minute)

Circle Category	Postpaid	Prepaid	Blended
Circle A	0.57	0.51	0.52
Circle B	0.57	0.48	0.49
Circle C	0.66	0.45	0.46
Metros	0.65	0.53	0.56
All India	0.60	0.49	0.51

2.14 All India average subscriber outgo per outgoing minute increased from ₹ 0.50 in QE Jun-13 to ₹ 0.51 in QE Sep-13.

Table 2.8: Trends of Key Parameters - GSM Service

Parameter	Sep-12	Dec-12	Mar-13	Jun-13	Sep-13
1. ARPU (₹ Per month)	95	98	105	111	109
2. MOU per subscriber per month	343	360	383	388	375
3. Outgoing MOU per subscriber per month					
3.1 Local (Intra-circle)	133	142	150	154	145
3.2 NLD (inter-circle)	32	33	35	35	37
3.3 ILD	0.3	0.3	0.3	0.3	0.3
4. Outgoing SMS per subscriber per month SMS	36	39	30	27	29
5. Average subscriber Outgo per outgoing minute from HSA (₹)	0.48	0.47	0.48	0.50	0.51

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

Section B: CDMA - Full Mobility Service

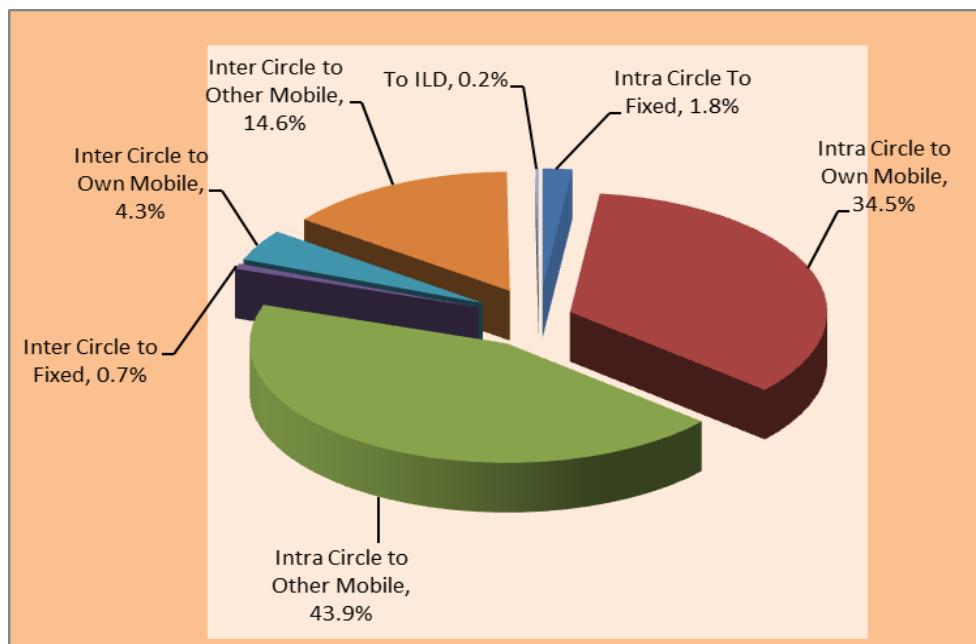
Table 2.9: Key Indicators - CDMA Full Mobility Service

Parameters	QE Sep-13	QE Jun-13	QE Sep-12	QoQ Change (%)	YoY Change (%)
Subscriber Base in Millions*	51.5	58.3	83.1	-11.7	-38.1
Share of Prepaid (%)	89.8	90.5	92.5	-0.7	-2.9
Incoming MOUs per subs per month	125	132	112	-5.0	12.3
Outgoing MOUs per subs per month	137	146	114	-6.4	20.6
Outgoing SMS per subs per month	16.9	17.1	25	-1.3	-32.6
ARPU (Rs. per month)	98.2	98.3	77.8	-0.1	26.3

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

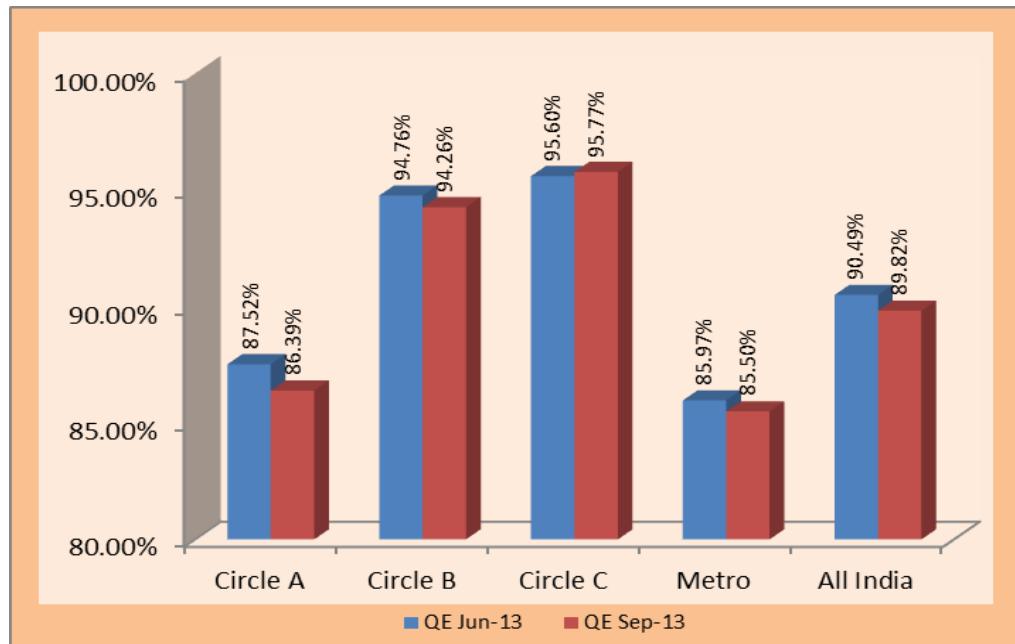
- 2.16 The following chart depicts % break-up of outgoing minutes from home service area (HSA).

Chart 2.7: % Break-up of Outgoing Minutes from Home Service Area (HSA) - CDMA Full Mobility Service



2.17 The following chart depicts prepaid subscribers as a % of total subscribers as on the last day of the respective quarters for various categories of circles.

Chart 2.8: Proportion of prepaid subscribers - CDMA Full Mobility Service



2.18 Market share of Prepaid segment declined from 90.49% in QE Jun-13 to 89.82% in QE Sep-13.

2.19 The following table presents the ARPU per month for various categories of circles and various platforms for payment viz. postpaid and prepaid.

Table 2.10: Monthly ARPU - CDMA Full Mobility Service
(₹ per month)

Circle category	Postpaid	Prepaid	Blended ARPU
Circle A	469	69	119
Circle B	386	51	68
Circle C	465	57	73
Metro	461	72	127
All India	449	61	98

- 2.20 The All India blended Average Revenue Per User (ARPU) per month has shown a decrease of 0.13% from Rs.98.35 in QE Jun-13 to Rs.98.22 in QE Sep-13.
- 2.21 ARPU for Prepaid service increased by 0.70% from Rs.61.06 in QE Jun-13 to Rs.61.49 in QE Sep-13. ARPU for Postpaid service has decreased by 0.89% from Rs.453.08 in QE Jun-13 to Rs.449.04 in QE Sep-13.

Table 2.11: Composition of ARPU per month- CDMA Full Mobility Service

S. No.	Item	Revenue (excl. service tax) per subscriber per month (in Rs.)	% Share of total revenue from subscribers
1 Usage from Home Service Area			
1.1	Rental Revenue	20.20	18.78
1.2	Revenue from Calls	44.38	41.24
1.3	Revenue from SMS	1.73	1.60
1.4	Revenue from data usage	35.14	32.6
1.5	Revenue from other VAS	3.31	3.08
1.6	Other Revenue	0.07	0.06
2 Usage outside Home Service Area			
2.1	Revenue from Outroamers	2.78	2.58
3 Total Revenue from Subscribers (1+2)		107.61	100
4 Net inter-operator settlement charges receivable*		-9.39	
5 Net Revenue (ARPU) (3+4)		98.22	

* Includes Interconnect Usage Charges and roaming settlement charges

- 2.22 The total MOUs per subscriber per month decreased by 5.74%, from 278.32 in QE Jun-13 to 262.35 in QE Sep-13. The outgoing MOUs decreased by 6.41% and incoming MOUs decreased by 4.99%.
- 2.23 Prepaid and postpaid MOUs per subscriber per month decreased by 6.02% and 4.24% respectively in this quarter.
- 2.24 Outgoing SMS per subscriber per month declined from 17.1 in QE Jun-13 to 16.9 in QE Sep-13.

Table 2.12 : MOU per subscriber per month – CDMA Full Mobility Service

Circle category	MOU per subscriber per month								
	Postpaid			Prepaid			Blended		
Outgoing MOU	Incoming MOU	Total MOU	Outgoing MOU	Incoming MOU	Total MOU	Outgoing MOU	Incoming MOU	Total MOU	
Circle A	313	147	459	111	112	223	136	116	252
Circle B	407	196	603	112	121	233	127	125	253
Circle C	461	360	821	97	151	248	112	159	271
Metro	304	144	448	138	122	260	162	125	287
All India	334	164	498	116	121	238	137	125	262

Note: MOU indicate total usage i.e. usage from and outside HSA

Table 2.13 : Outgoing SMS per subscriber per month – CDMA Full Mobility Service

Circle category	Outgoing SMS per subscriber month		
	Postpaid	Prepaid	Blended
Circle A	14	20	19
Circle B	14	14	14
Circle C	13	10	10
Metro	17	22	21
All India	15	17	17

Note: SMS indicate total usage i.e. usage from and outside HSA

Chart 2.9: Minutes of usage by outroamers as a percentage of total usage

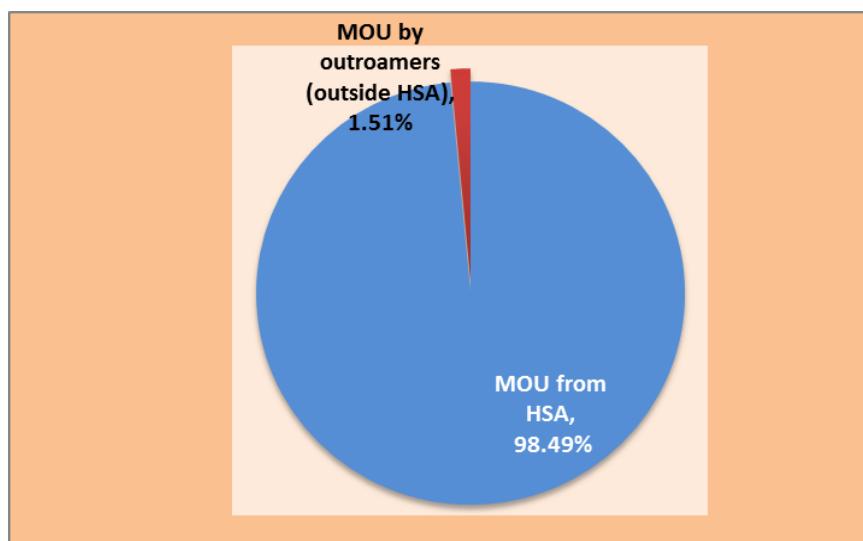


Chart 2.10: Minutes of usage by outroamers as a percentage of total usage

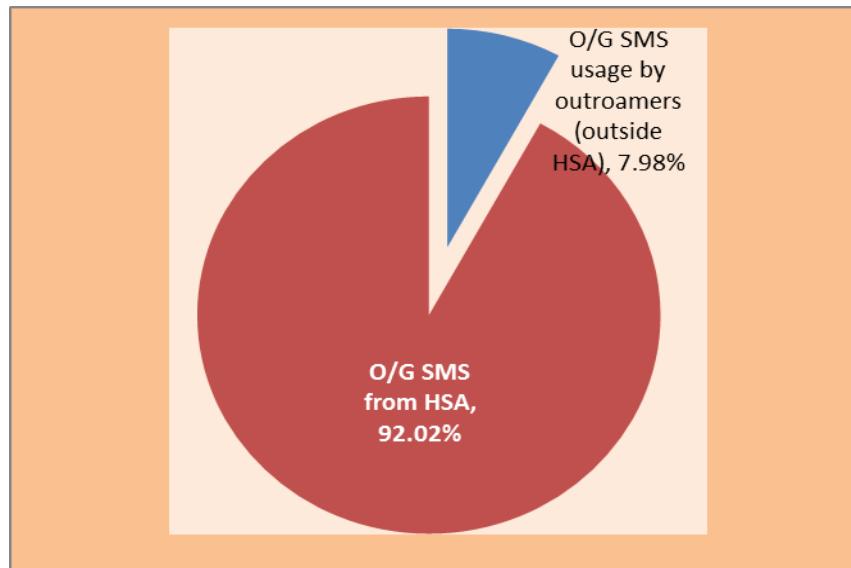


Table 2.14: %Break-up of Outgoing minutes from Home Service Area (HSA) - CDMA Full Mobility Service

Circle	Intra Circle To Wireline (%)	Intra Circle to Own Wireless(%)	Intra Circle to Other Wireless(%)	Inter Circle to Wireline (%)	Inter Circle to Own Wireless(%)	Inter Circle to Other Wireless(%)	ILD (%)
Circle A	2.2	30.5	54.6	0.7	3.0	8.6	0.3
Circle B	1.2	40.9	43.4	0.7	4.0	9.8	0.1
Circle C	2.1	41.5	28.3	1.4	4.9	21.7	0.0
Metro	2.2	29.2	36.9	0.6	5.7	25.1	0.2
All India	1.8	34.5	43.9	0.7	4.3	14.6	0.2

2.25 The chart given below presents the percentage of subscribers who availed roaming services (outreomers) during the quarter.

Chart 2.11: Percentage of subscribers who availed roaming service during the quarter

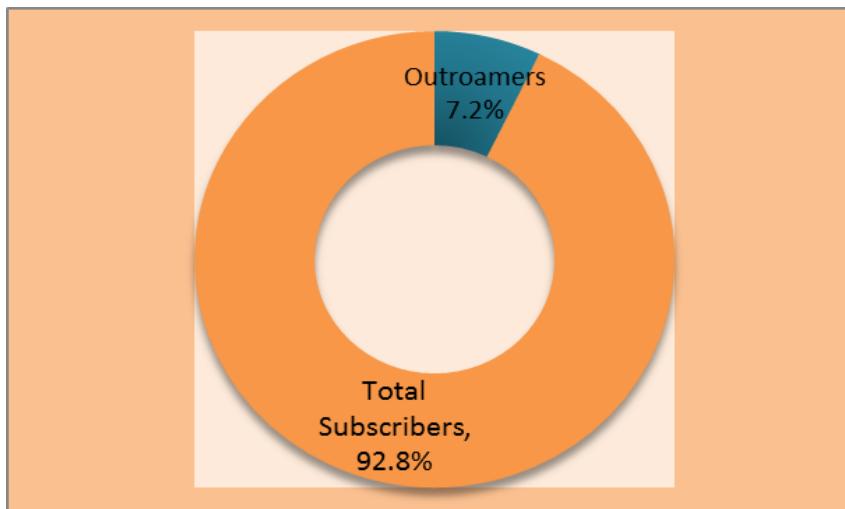


Chart 2.12: Percentage breakup of minutes of usage of Outroamers (usage from outside the Home Service Area)

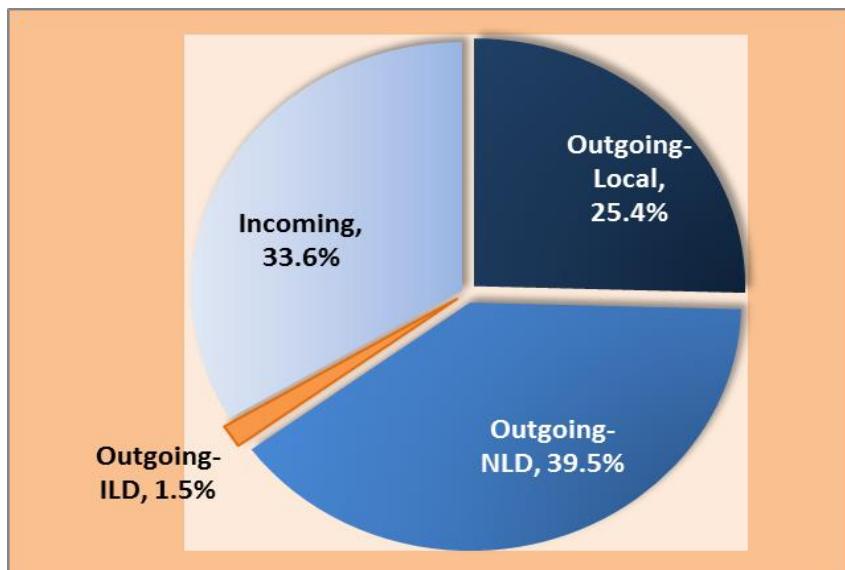


Table 2.15: Average subscriber outgo per outgoing minute from HSA - CDMA Full Mobility Service

Circle Category	Postpaid	Prepaid	Blended
Circle A	0.80	0.39	0.51
Circle B	0.65	0.33	0.38
Circle C	0.79	0.47	0.52
Metros	0.87	0.45	0.56
All India	0.78	0.39	0.48

Average Subscriber Outgo per Outgoing Minute for usage from HSA

$$= \frac{\text{Rental revenue} + \text{revenue from outgoing calls from HSA}}{\text{No. of outgoing minutes from HSA}}$$

Table 2.16: Trends of Key Parameters - CDMA Full Mobility Service

Parameter	Sep-12	Dec-12	Mar-13	Jun-13	Sep-13
1. ARPU (₹ Per month)	78	80	95	98	98
2. MOU per subscriber per month	225	230	275	278	262
3. Outgoing MOU per subscriber per month					
3.1 Local (Intra-circle)	93	96	114	117	108
3.2 NLD (inter-circle)	20	21	26	26	26
3.3 ILD	0.16	0.17	0.23	0.24	0.24
4. Outgoing SMS per subscriber per month SMS	25	21	18	17	17
5. Average subscriber Outgo per outgoing minute from HSA (₹)	0.49	0.49	0.49	0.42	0.48

2.26 Service Area wise statistics are available at Annexure-2.2.

Section C: Internet Service

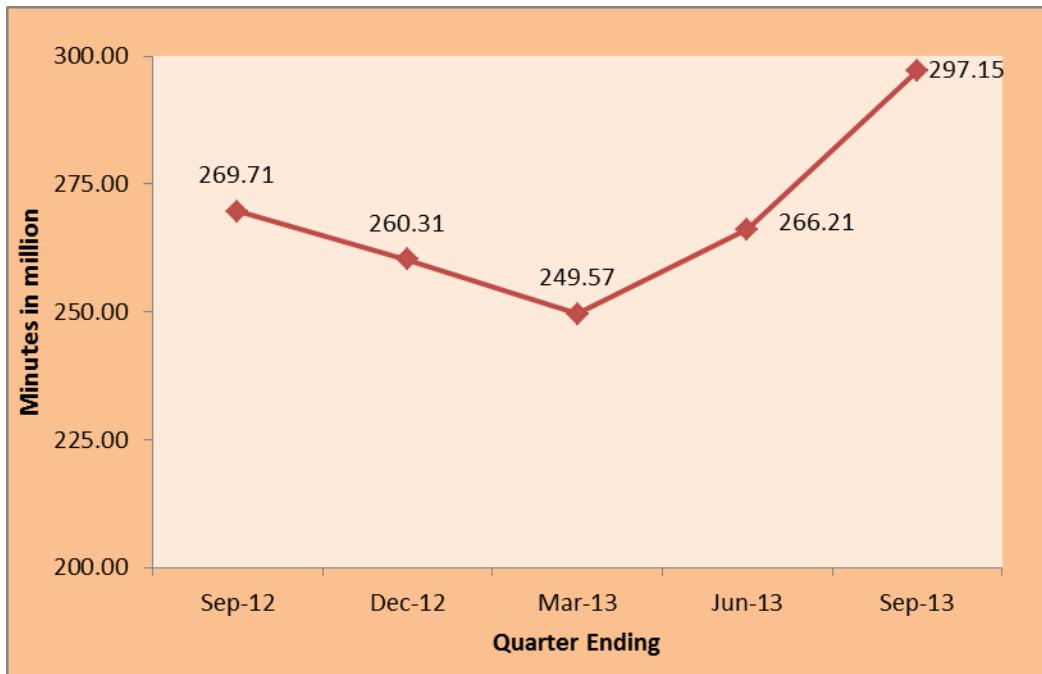
Revenue of SPs

2.27 The Gross Revenue of the Internet Services (except internet access by mobile devices) as reported by SPs is ₹3377.78 crore for the quarter ending Sep-13 as compared to ₹3443.90 crore for the quarter ending Jun-13, showing a decrease of 1.92% over the previous quarter.

Internet Telephony

2.28 As per report submitted to TRAI, 33 Service Providers are providing Internet Telephony service presently. Total Minutes of Usage (MOU) for Internet Telephony increased from 266.21 million in QE Jun-13 to 297.15 million in QE Sep-13 registering a quarterly growth of 11.62%.

Chart 2.13: 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

Particulars	QE Sep-12 (` in Crore)	QE Jun-13 (` in Crore)	QE Sep-13 (` in Crore)	Q-O-Q % Change Over Jun-13	Y-O-Y % Change over Sep-12
Gross Revenue (GR)	52937.32	57260.98	57452.56	0.33	8.53
Adjusted Gross Revenue (AGR)	35473.16	38640.30	38810.56	0.44	9.41
Pass Through (GR-AGR)	17464.16	18620.68	18642.00	0.11	6.74
License Fee	2884.16	3092.14	3104.95	0.41	7.66
Spectrum Charges	1287.21	1469.67	1477.17	0.51	14.76

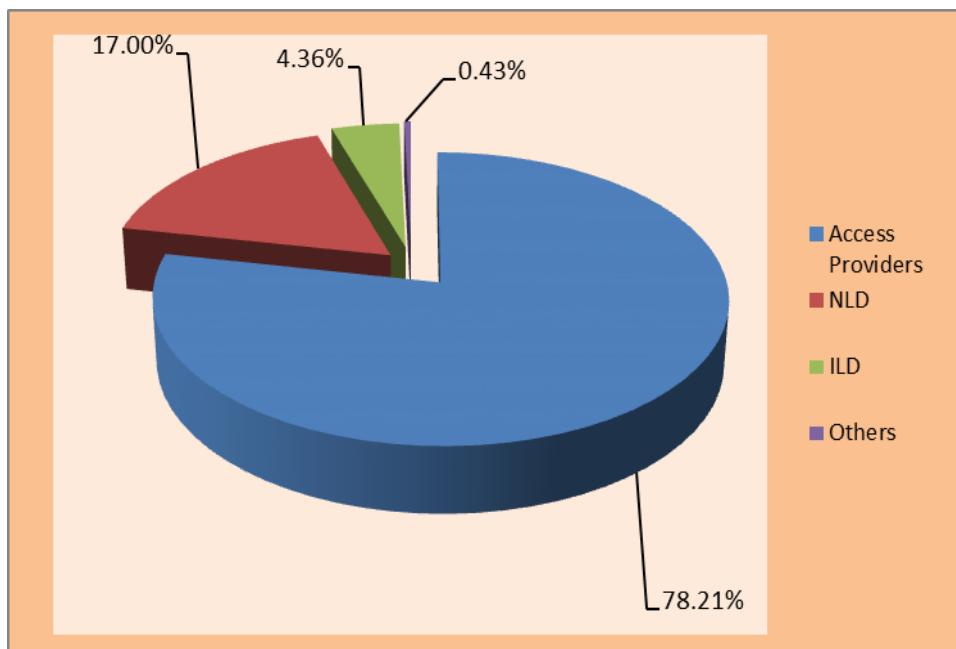
- 3.1 Gross Revenue(GR) and Adjusted Gross Revenue(AGR) increased by 0.33% and 0.44% respectively in the QE Sep-13.
- 3.2 Pass through increased by 0.11% in the QE Sep-13, and on annual basis it has increased by 6.74%.
- 3.3 Pass-through charges as % Gross Revenue: 32.45% in QE Sep-13 as against 32.52% in the previous quarter.

Table 3.2: Service-wise Gross Revenue, Adjusted Gross Revenue, License Fee and Spectrum Charges

(` in Crore)

Service	GR	AGR	LF	Spectrum Charges
Access Providers	42539.61	30353.17	2428.23	1474
NLD	8688.69	6597.45	527.79	-
ILD	3791.02	1691.8	135.34	-
Others	2433.24	168.15	13.58	3.17
Total	57452.56	38810.56	3104.95	1477.17

Chart 3.1: Composition of Adjusted Gross Revenue



- 3.4 Access services contributed 78.21% to the total Adjusted Gross Revenue (AGR) of telecom services. In Access services, Gross Revenue, AGR, License Fee and Pass Through Charges decreased by 1.55%, 0.46%, 0.46% and 4.17% respectively whereas Spectrum Usage charge increased by 0.46% in QE Sep-13.
- 3.5 Public Sector Undertakings' share in the Access AGR of telecom services is 13.10% in the QE Sep-13.
- 3.6 Monthly ARPU based on AGR for Access services is ₹112 for the Q.E. Sep-13. 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 Adjusted Gross Revenue

(₹ in Crore)

Service	QE Sep-13	QE Jun-13	% Change
Bharti	8655.57	8814.94	-1.81
Vodafone	6452.15	6614.25	-2.45
Idea	4633.65	4747.39	-2.40
BSNL	3228.61	3278.73	-1.53
Tata	2188.95	2081.97	5.14
Reliance	2068.55	2076.43	-0.38
Aircel	1551.97	1497.85	3.61
MTNL	746.38	632.69	17.97
Unitech	480.27	457.38	5.00
Sistema Shyam	200.63	219.82	-8.73
Loop	113.06	*	-
Quadrant	33.39	39.82	-16.15
Videocon	*	31.60	-
Grand Total (Access)	30353.17	30492.87	-0.46

*Data not received.

Table 3.4: Category-wise share in Access Services Adjusted Gross Revenue (AGR)

Category	Access AGR for QE Sep-13 (₹ in Crore)	%age share of AGR
Metro	4929.90	16.24
A	11531.48	37.99
B	10259.67	33.80
C	3632.11	11.97
Total	30353.17	100.00

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 usage 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.*

Chapter 4 : Quality of Service (QoS)

Section A: Quality of Service Performance of Wireless Service Providers

Part-I : 2G Wireless Services

Table 4.1: QoS Summary - 2G Wireless Service

Sl. No.	Parameters	Benchmark	No. of CMTS Licensees not Meeting the Benchmarks			
			Quarter Ending June, 2013		Quarter Ending September, 2013	
			Out Of 187 (Nos.)	Out of 187 (%)	Out Of 183 (Nos.)	Out of 183 (%)
I.	Network Related Parameters					
1	Network Availability					
(i)	BTSs Accumulated downtime (not available for service)	≤ 2%	2	1.07%	1	0.55%
(ii)	Worst affected BTSs due to downtime	≤ 2%	8	3.67%	7	3.83%
2	Connection Establishment (Accessibility)					
(i)	Call Set-up Success Rate (within licensee's own network)	≥ 95%	0	0	0	0
(ii)	SDCCH/ Paging Chl. Congestion	≤ 1%	0	0	0	0
(iii)	TCH Congestion	≤ 2%	0	0	0	0
3	Connection Maintenance (Retain ability)					
(i)	Call Drop Rate	≤ 2%	1	0.46%	0	0
(ii)	Worst affected cells having more than 3% TCH drop (call drop) rate	≤ 3%	4	1.83%	5	2.73%
(iii)	Connection with good voice quality	≥ 95%	0	0	2	1.09%
4	Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark) (Averaged over a period of quarter)	≤ 0.5%	2	0.92%	1	0.55%

S. No.	Parameters	Benchmark	No. of CMTS Licensees not Meeting the Benchmarks			
			Quarter Ending, June, 2013		Quarter Ending, September, 2013	
			Out Of 187 (Nos.)	Out Of 187 (%)	Out Of 183 (Nos.)	Out Of 183 (%)
II.	<i>Customer Service Quality Parameters</i>					
5	Metering and Billing					
(i)	Metering and billing credibility - post paid	≤ 0.1%	13	5.96%	6	3.28%
(ii)	Metering and billing credibility - pre paid	≤ 0.1%	9	4.13%	4	2.19%
(iii)	Resolution of billing/charging/validity complaints	100% within 4 weeks	6	2.75%	2	1.09%
(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	3	1.38%	3	1.64%
6	Response time to the customer for assistance					
(i)	Accessibility of call centre/ customer care	≥ 95%	6	2.75%	4	2.19%
(ii)	%age of calls answered by the operators (voice to voice) within 60 seconds	≥ 90%	63	28.90%	60	32.79%
7	Termination / closure of service					
(i)	%age requests for Termination / Closure of service complied within 7 days	100% within 7 days	6	2.75%	7	3.83%
(ii)	Time taken for refund of deposits after closures	100% within 60 days	7	3.21%	3	1.64%

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

Table 4.2: Parameter wise Analysis of Non-compliance of QoS Benchmarks for 2G Wireless Service Providers

Parameter	Benchmark	Service Provider	Service Area	Performance
BTSSs Accumulated downtime (not available for service) (%age)	$\leq 2\%$	Idea	MP	4.43
Worst affected BTSSs due to downtime (%age)	$\leq 2\%$	Aircel	ASM	4.80
			BH	2.72
			CHN	3.04
			DLI	3.07
			NE	5.09
		BSNL	NE	4.05
		Idea	MP	10.32
Worst affected cells having more than 3% TCH drop	$\leq 3\%$	Aircel	ASM	4.98
			DLI	3.56
			HR	5.95
			MP	4.95
			NE	4.59
Connection with good voice quality	$\geq 95\%$	Aircel	ASM	94.82
			NE	94.99
Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark)	$\leq 0.5\%$	Aircel	KOL	1
Metering and billing credibility - post paid	$\leq 0.1\%$	Aircel	KOL	0.23
		Idea	RJ	0.12
		Vodafone	KOL	0.20
			OR	0.22
			PB	0.12
			WB	0.12
Metering and billing credibility - pre paid	$\leq 0.1\%$	Aircel	NE	0.12
		BSNL	WB	0.71
		Vodafone	AP	0.21
			KTK	0.22
Resolution of billing/charging/validity complaints	100% within 4 weeks	Airtel	CHN	99.89
		BSNL	MH	NR
Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of complaints	within 1 week of resolution of complaint	BSNL	MH	NR
		Idea	AP	99.52
			KTK	98.84

Accessibility of call centre/ customer care	≥ 95%	BSNL	ASM	91.00
			NE	80.00
			GUJ	NR
			MH	NR
Percentage of calls answered by the operators (voice to voice) within 60 seconds	≥ 90%	Aircel	AP	83.62
			ASM	81.40
			DLI	83.50
			HP	68.14
			MH	60.71
			MBI	81.04
			NE	88.93
			RAJ	79.85
			TN	89.62
		MTNL CDMA	MUM	59.40
		BSNL	AP	51.00
			ASM	78.50
			KOL	62.00
			NE	71.55
			MH	NR
			GUJ	NR
			UPE	NR
			WB	85.00
		MTS	DL	71.79
			RJ	66.60
		RCOM CDMA	AP	84.56
			BH	87.96
			CHN	82.94
			DLI	84.43
			HP	80.53
			HR	51.40
			KOL	88.34
			KR	81.72
			KTK	75.86
			MH	60.29
		RCOM CDMA	MP	88.94
			MBI	80.67
			PB	81.25
			TN	82.94
			UPE	86.69
			WB	88.34
		RCOM GSM	AP	78.90
			DLI	58.36
			GUJ	64.31
			HR	83.55

Percentage of calls answered by the operators (voice to voice) within 60 seconds	≥ 90%	RTL	KR	68.10
			KTK	67.77
			MH	51.24
			MBI	78.48
			PB	75.89
			RAJ	80.71
			TN	74.57
			UPE	89.57
			UPW	85.20
			ASM	84.39
%age requests for Termination / Closure of service	100% within 7 days	TATA GSM	BH	85.07
			HP	71.84
			MP	78.37
			NE	81.33
			OR	85.77
		Uninor	AP	84.00
			GUJ	87.00
			PN	88.00
			TN	82.00
Time taken for refund of deposits after closures	100% within 60 days	Aircel	AP	99.38
			DLI	99.93
			UPE	98.32
		BSNL	WB	80.56
		TATA GSM	KR	NR
		Vodafone	MH	99.40
			UPW	99.93
		Aircel	DLI	46.00
			KOL	99.70
			Idea	MH

4.3 The detailed table on Service Provider wise performance of QoS parameters for Wireless 2G Services is available at Annexure-4.1.

Part-II : 3G Wireless Services

4.4 The summary of performance of 3G service providers (excluding BSNL) who have not met the benchmarks in this quarter is given in below table.

Table 4.3: QoS Summary - 3G Wireless Service

S. No .	Parameters	Bench mark	No. of CMTS Licensees not Meeting the Benchmarks				
			Quarter Ending, June 2013		Quarter Ending, September 2013		
			Out Of 72 (Nos.)	Out of 72 (in %)	Out Of 72 (Nos.)	Out of 72 (in %)	
1	Network Availability	Node-B's Accumulated downtime (not available for service) (%age)	≤ 2%	1	1.39%	0	0
		Worst affected Node-B's due to downtime (%age)	≤ 2%	1	1.39%	3	4.17%
2	Connection Establishment (Accessibility)	Call Set-up Success Rate (within licensee's own network)	≥ 95%	0	0	0	0
		SDCCH/Paging Channel and RRC Congestion (%age)	≤ 1%	0	0	0	0
		TCH and Circuit Switched RAB Congestion (%age)	≤ 2%	0	0	0	0
3	Connection Maintenance (Retainability)	Call Drop and Circuit Switched Voice Drop Rate: (%age)	≤ 2%	0	0	0	0
		Worst affected cells having more than 3% TCH drop (call drop) and Circuit Switched Voice Drop Rate:-CBBH	≤ 3%	7	9.72%	9	12.50%
		Connections with good voice quality and Circuit Switch Voice Quality (CSV quality)	≥ 95%	0	0	0	0
4	Point of Interconnection	Point of Interconnection (POI) Congestion	≤ 0.5%	1	1.39%	1	1.39%

- 4.5 The performance has improved in this quarter as compared to the previous quarter in respect of the following parameters :-
- Node-B's Accumulated downtime (not available for service) (%age)
- 4.6 The performance has deteriorated in this quarter as compared to the previous quarter in respect of the following parameters:-
- Worst affected Node-B's due to downtime (%age)
 - Worst affected cells having more than 3% TCH drop (call drop) and Circuit Switched Voice Drop Rate:-CBBH
- 4.7 The performance has remain unchanged in this quarter as compared to the previous quarter in respect of the following parameters:-
- Point of Interconnection (POI) Congestion

Table 4.4: Parameter wise Analysis of Non-compliance of QoS Benchmarks for 3G Wireless Service Providers

Parameter	Service Provider	Benchmark	Service Area	Performance
Worst affected Node-B's due to downtime (%age)	Aircel	$\leq 2\%$	BH	3.30
			CHN	4.39
			WB	2.54
Worst affected cells having more than 3% TCH drop (call drop) and Circuit Switched Voice Drop Rate:-CBBH	Aircel	$\leq 3\%$	ASM	4.35
			BH	16.32
			CHN	6.38
			NE	7.42
			OR	13.26
			PB	20.99
			TN	7.07
			UPE	4.65
			WB	8.61
Point of Interconnection (POI) Congestion	Aircel	$\leq 0.5\%$	KOL	1

- 4.8 The details table on Service Area wise performance of QoS parameters for 3G Wireless Services is available at Annexure-4.2.

Section B: Quality of Service Performance of Wireline Service Providers

Table 4.5: QoS Summary - Wireline Service

S. No.	Parameters	Benchmark	No. of license operators not meeting the benchmarks			
			June, 2013		September, 2013	
			Out of 111 In Nos.	Out of 111 In %age	Out of 111 In Nos.	Out of 111 In %age
(i)	Fault incidences per 100 subs/month	≤ 5	12	10.81%	11	9.91%
(ii) a	% Fault repaired by next working day	≥ 90%	15	13.51%	13	11.71%
(ii) b	% Fault repaired within 3 days (for urban areas)	100%	20	18.02%	20	18.02%
(ii) c	% Fault repaired within 5 days (for rural & hilly areas)	100%	15	13.51%	14	12.61%
(iii)	MTTR	<8Hrs	10	9.01%	12	10.81%
(iv) a	Call Completion Rate (in local network)	≥ 55%	0	0.00%	0	0.00%
(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	1.80%	1	0.90%
(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	2	1.80%	1	0.90%
(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	0	0.00%	0	0.00%
(x)	Response time to the customer for assistance	-	-	-	-	-
(x) a	Accessibility of call centre/ customer care	≥ 95%	6	5.41%	1	0.90%
(x) b	%age of calls answered by the operators (voice to voice) within 60 seconds	≥ 90%	24	21.62%	18	16.22%

S. No.	Parameters	Benchmark	No of license operators not meeting the benchmarks			
			June, 2013		September, 2013	
			Out of 111 In Nos.	Out of 111 In %age	Out of 111 In Nos.	Out of 111 In %age
(xi)	Termination / closure of service	100% within 7 days	9	8.11%	5	4.50%
(xii)	Time taken for refund of deposits after closures	100% within 60 days	1	0.90%	0	0.00%

NOTE : (1) As per "The Standards of Quality of Service of Basic Telephone Service (Wireline) and Cellular Mobile Telephone Service Regulations, 2009 ", the service providers who cannot 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, 90 Licensees for CCR and 21 Licensees for ASR have been taken into account for the analysis of these parameters.

(2) Most of the SPs have not 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.

- 4.9 The performance has improved in this quarter as compared to the previous quarter in respect of the following parameters:-
- Faults incidences (No. of faults/100 Subs./month)
 - % Fault repaired by next working day
 - % of faults repaired within 5 days (for rural & hilly areas)
 - Metering and billing credibility - post paid ($\leq 0.1\%$)
 - Resolution of billing/ charging/ validity complaints
 - Accessibility of call centre/ customer care
 - % of calls answered by the operators (Voice to Voice) within 60 Sec
 - %age requests for Termination / Closure of service complied within 7 days
 - Time Taken for refund of deposits after closures

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

- a. Mean Time to Repair (MTTR)

Table 4.6: Parameter wise Analysis of Non-compliance of QoS Benchmarks for Wireline Service Providers

Parameters and Benchmark	Service Providers	Service Area	Parameters not met
Faults incidences (No. of faults/100 Subs./month) Benchmark(≤5)	BSNL	AP	5.50
		CH	9.25
		J&K	7.23
		KOL	14.74
		KTK	6.35
		KR	8.48
		MH	8.81
		Uttaranchal	6.06
		WB	6.36
		DEL	9.74
% of faults repaired by next working day Benchmark(≥ 90%)	BSNL	MUM	7.78
		A & N	85.54%
		AP	77.68%
		CH	70.29%
		J&K	66.08%
		KOL	31.39%
		KTK	75.49%
		KR	54.38%
		MH	36.31%
		TN	72.57%
% of faults repaired within 3 days Benchmark (For urban areas: 100%)	BSNL	WB	86.67%
		DEL	84.06%
		MUM	87.06%
		Quadrant	PB
			75.00%
% of faults repaired within 3 days Benchmark (For urban areas: 100%)	BSNL	A & N	94.31%
		AP	88.71%
		CH	82.12%
		Chhattisgarh	99.10%
		HP	98.84%
		J&K	82.27%

Parameters and Benchmark	Service Providers	Service Area	Parameters not met
		KOL	47.95%
		KTK	85.66%
		KR	77.82%
		MH	63.96%
		NE-I	99.61%
		NE-II	97.08%
% of faults repaired within 3 days Benchmark (For urban areas: 100%)	BSNL	OR	99.19%
		TN	84.01%
		Uttaranchal	98.66%
		WB	90.28%
	MTNL	Delhi	94.17%
		MUM	93.91%
	Quadrant	PB	96.00%
	Sistema	RJ	99.80%
% of faults repaired within 5 days Benchmark (For rural and hilly areas: 100%)	BSNL	A & N	97.72%
		AP	99.33%
		CH	95.01%
		HP	99.69%
		J&K	92.44%
		KTK	94.82%
		KR	85.79%
		MH	82.99%
		NE-I	99.79%
		NE-II	99.89%
		OR	99.19%
		TN	94.69%
		Uttaranchal	99.87%
		WB	95.06%
Mean Time to Repair (MTTR) Benchmark (< 8 Hrs)	BSNL	A & N	10.67
		CH	54.43
		KOL	42.62
		KTK	46.69
		KR	72.84
		MH	22.43
		NE-II	37.25
		OR	15.64
		TN	22.74
		WB	12.99
	MTNL	MUM	8.51
		PB	15.16

Parameters and Benchmark	Service Providers	Service Area	Parameters not met
Metering and Billing credibility - post paid (0.1%)	BSNL	ASM	0.13%
Resolution of Billing/ charging/validity complaints Benchmark (100% within 4 weeks)	MTNL	DEL	96.37%
Accessibility of call centre/ customer care Benchmark(≥ 95%) Benchmark(≥ 95%)		WB	32.86%
Percentage of calls answered by the operators (voice to voice) within 60 seconds (Benchmark≥ 90%)	BSNL	A & N AP CH Chhattisgarh GJ HR HP J&K KOL KTK MP MH PB RJ TN Uttaranchal UPW WB	89.00% 78.00% 71.67% 42.67% 72.33% 36.67% 87.00% 62.67% 84.00% 61.67% 88.00% 56.67% 48.67% 12.67% 73.00% 62.33% 18.67% 16.67%
%age requests for Termination / Closure of service complied within 7 days Benchmark (100%)	BSNL	KOL MH WB	38.55% 93.74% 97.89%
		DEL	95.01%
		MUM	95.83%

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

Section C : Quality of Service Performance of Broadband Service

4.12 Out of 158 Broadband Service providers, 38 Service Providers are having subscriber base >10,000 and these 35 Service providers share the 99.01% of total subscriber base. This report covers performance of 31 broadband Service Providers vis-à-vis the QoS benchmarks prescribed by TRAI, as the remaining 7 service providers viz. Sify Ltd, Zylog Systems Ltd, Chandranet Pvt Ltd, Honesty Net, Home Systems, Ankhnet Informations and Smartlink Broadband Services have not submitted their report for the QE September, 2013.

Table 4.7 : Summary of Performance of Broadband Service Providers against identified parameters

S. No.	Parameters	Benchmark	No. of Licensees not Meeting the Benchmarks			
			Quarter Ending, June, 2013		Quarter Ending, September, 2013	
			Out of 114 (in Nos.)	Out of 114 (in %)	Out of 108 (in Nos.)	Out of 108 (in %)
1	Service Provisioning/ Activation Time	100% in =< 15 working days				
1.2	%age of connections provided within 15 days of registration of demand	100%	16	14.0%	20	18.51%
2	Faults Repair/ Restoration Time					
2.2	% of faults repaired by next working day	>90%	20	17.54%	23	21.29%
2.3	% of faults repaired within 3 working day	=>99%	22	19.29%	27	25.00%
2.4	No. of customers to whom rent rebate is given in minimum monthly charges or equivalent usage allowance for delay in fault repair					
3	Billing Performance					
3.3	%age of bills disputed	<2%	0	0	0	0
3.4	%age of complaints resolved within 4 weeks	100% within 4 weeks	4	3.50%	2	1.85%
3.5	%age of cases to whom refund of deposits is made within 60 days of closures	100% within 60 days	10	8.77%	10	9.25%

S. No.	Parameters	Benchmark	No. of Licensees not Meeting the Benchmarks			
			Quarter Ending, June, 2013		Quarter Ending, September, 2013	
			Out of 114 (in Nos.)	Out of 114 (in %)	Out of 108 (in Nos.)	Out of 108 (in %)
4	Response Time to the Customer for assistance					
4.2	%age of calls answered by operator (Voice to voice) within 60 sec	>60%	19	16.66%	16	14.81%
4.3	%age of calls answered by operator (Voice to voice) within 90 sec	>80%	22	19.29%	21	19.44%
5	Bandwidth utilisation/throughput					
5.2	No. of Intra network links having Bandwidth utilisation >90% during peak hours (TCBH)		4	3.50%	1	0.92%
5.4	No. of Upstream links for International connectivity having bandwidth utilisation >90% during peak hours (TCBH)		25	21.92%	3	2.77%
5.7	% International bandwidth utilization during peak hours (TCBH) (Enclose MRTG)		2	1.75%	1	0.92%
5.8	Broadband Connection Speed available (download) from ISP node to user	>80%	1	0.87%	1	0.92%
6	Service Availability/Uptime (for all users) in %age	>98%				
6.3	Service availability/uptime (for all users) in %age	>98%	3	2.63%	2	1.85%
7	Packet loss (for wired broadband access) in %	<1%	21	18.42%	1	0.92%
8	Network latency (for wired broadband access)					
8.1	User reference point at POP/ISP Gateway node to IGSP/NIXI	<120 ms	0	0	0	0
8.2	User reference point at ISP Gateway node to International nearest NAP port abroad (terrestrial)	<350 ms	0	0	0	0
8.3	User reference point at ISP Gateway node to International nearest NAP port abroad (satellite)	<800 ms	0	0	0	0

Table 4.8: Parameter-wise Analysis of non-compliance of QoS benchmarks for Broadband Service Providers

S1. No.	Parameters	Benchmarks	Name of Service Provider not Meeting the Benchmark
1	Service Provisioning/ Activation Time • %age of connections provided within 15 days of registration of demand	100% in <= 15 working days	<u>BSNL</u> - Assam(89.40%), Chennai(88.00%), Kerala(84.00%), MH (99.30%), Orissa(99.60%), TN(99.00%), WB(88.10%), A&N(96.90%) <u>MTNL</u> - Delhi(88.35%), Mumbai(83.80%) <u>Quadrant Televentures</u> - Punjab(99.80%) <u>Tikona Digital</u> - All India (99.91%) <u>You Broadband</u> - All India (93.00%), MH(89.00%), Guj(86.90%), KTK(90.58%), TN(85.00%), HR(98.00%), AP(96.00%) <u>Atria Convergence</u> -All India (95.00%)
2	Faults Repair /Restoration Time		
	% of faults repaired by next working day	>90%	<u>BSNL</u> - Andhra Pradesh(81.70%), Assam(78.50%), Jharkhand(80.10%), Chennai(62.90%), HP(88.40%), J&K(76.30%), Kerala(56.80%), MH(86.90%), Orissa(85.70%), TN(77.50%), WB(72.80%), A&N(82.70%) <u>MTNL</u> - Delhi (81.01%), Mumbai(81.28%) <u>Hathway</u> - Guj(88.00%), Punjab(79.00%) <u>Beam Cables</u> - Hyd(73.00%) <u>You Broadband</u> - All India (85.00%), Guj(84.00%), KTK(77.00%), TN(85.00%), AP(79.00%) <u>Atria Convergence</u> - All India(70.00%)
	% of faults repaired within 3 working day	= >99%	<u>BSNL</u> - Andhra Pradesh(92.40%), Assam(92.60%), Jharkhand(84.10%), Chennai(90.30%), HP(94.30%, J&K(91.40%), Kerala(73.20%), MH(97.90%), Orissa(98.90%), TN(90.20%), WB(92.80%), A&N(96.70%) <u>MTNL</u> - Delhi(94.05%), Mumbai(90.26%) <u>Hathway</u> - MH(98.23%), Punjab(87.00%) <u>Beam Cables</u> - Hyd (97.66%) <u>Tata Communications</u> - Kerala & Lakshwdeep(98.00%), MH&Goa(95.00%), Mumbai (97.00%) <u>You Broadband</u> - All India (96.00%), MH(98.00%), Guj(96.00%), KTK(92.00%), TN(96.00%), AP(94.00%) <u>Atria Convergence</u> - All India (91.00%)

Sl. No.	Parameters	Benchmarks	Name of Service Provider not Meeting the Benchmark
3	Billing Performance		
	%age of billing complaints resolved within 4 weeks	100% within 4 weeks	<u>BSNL</u> - KTK(99.90%), Orissa (99.79%)
	%age of cases to whom refund of deposits is made within 60 days of closures	100% within 60 days	<u>BSNL</u> - J&K(99.33%), KTK(99.80%) Orissa (99.95%) <u>You Broadband</u> - All India (57.00%), MH(53.00%), Guj(56.00%), KTK(79.00%), TN(71.00%), HR(47.00%), AP(58.00%)
4	Response Time to the Customer for assistance		
	%age of calls answered by operator (Voice to voice) within 60 sec	Benchmark >60%	<u>BSNL</u> - AP(52.64%), Assam(5.75%), Chennai(29.62%), Guj(38.03%), HR(17.16%), KTK(3.07%), Kol(58.00%), MH(2.92%), Chhattisgarh(15.97%), Pun(46.67%), Raj(1.55%), UP(W)(12.17%) <u>You Broadband</u> - All India (51.00%), MH(18.00%), Guj(19.00%), AP(20.00%)
	%age of calls answered by operator (Voice to voice) within 90 sec	Benchmark >80%	<u>BSNL</u> - AP(57.82%), Assam(5.95%), Chennai(34.65%), Guj(41.72%), HR(23.26%), J&K(73.67%), KTK(4.26%), Kol(72.00%), MH(4.20%), MP(75.43%), Chhattisgarh(13.42%), Pun(49.00%), Raj(2.07%), TN(67.79%), UP(W)(15.69%) <u>MTNL</u> – Mumbai (69.87%) <u>You Broadband</u> - All India (55.00%), MH(21.00%), Guj(23.00%), KTK(76.00%), AP(23.00%)

Sl. No.	Parameters	Benchmarks	Name of Service Provider not Meeting the Benchmark
5	Bandwidth utilisation/throughput		
	No. of Intra network links having Bandwidth utilisation >90% during peak hours (TCBH)	Benchmark 0	Rajesh Multichannel Pvt Ltd - Mumbai (2 Links)
	No. of Upstream links for International connectivity having bandwidth utilisation >90% during peak hours (TCBH)	Benchmark 0	BSNL - All Service areas (19 Links) MTNL- Delhi (1 link) Broadband Pacenet - All India (2 Links)
	%age of International Bandwidth utilization during peak hours (TCBH) (Enclose MRTG)	Benchmark <90%	Atria Convergence – All India (92.00%)
	Broadband Connection Speed available(downloaded) from ISP node to user	Benchmark > 80%	BSNL - A&N (60.00%)
	Service availability/uptime (for all users) in %age	Benchmark >98%	Indusland Media & Communications Ltd - All India (96.00%) Tata Communications – Kerala & Lakshwdeep(96.79%), MP& CG(97.59%), MH & Goa (95.03%)
6.	Packet Loss		
	Packet loss (for wired broadband access) in %age	Benchmark <1%	BSNL – All Service areas (2.90%)

4.13 Detailed table containing QoS parameters for all the Broadband Service Providers is given in Annexure-4.4.

Chapter 5 : Performance of Cable TV, DTH and Radio Broadcasting Services

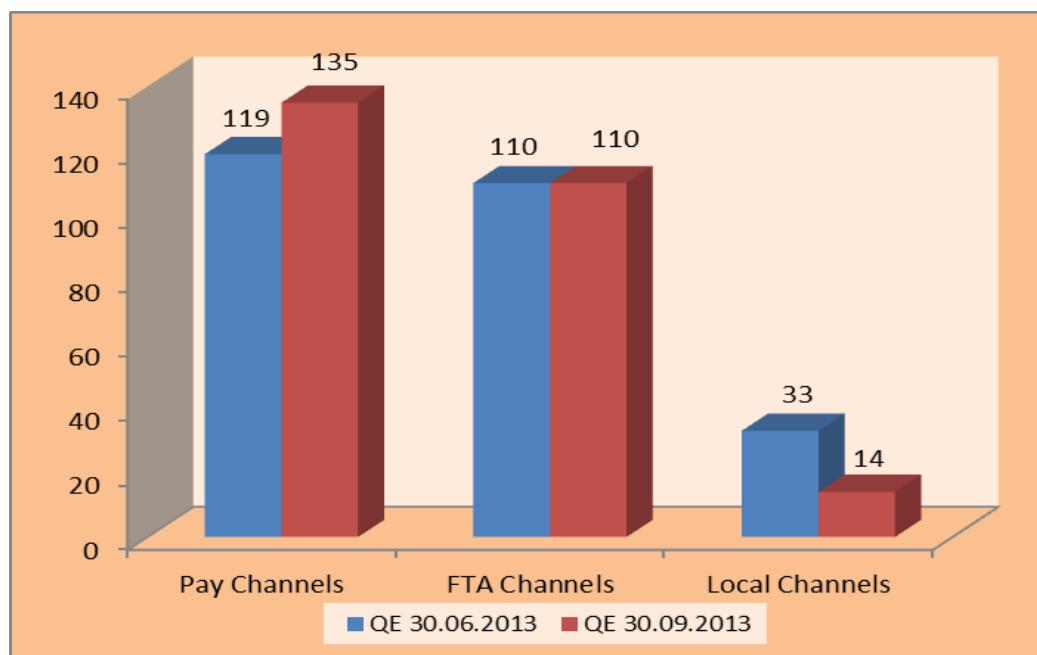
Table 5.1: Key Parameters - Broadcasting & Cable Services

S.No	Parameter	QE Jun-13	QE Sep-13
1	Number of private satellite TV channels registered with Ministry of I&B	795	784
2	Maximum number of Pay TV Channels carried by certain cable operator in non-CAS areas	119	135
3	Maximum number of Free-to-Air (FTA) TV Channels carried by certain cable operator in non-CAS areas	110	110
4	Private FM Radio stations in operation	242	242
5	Private DTH Operators	6	6
6	Licensees of community radio stations	192	196
7	Operational community radio station	150	156

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.
- 5.2 The maximum number of Free-to-Air (FTA) and Pay Channels reportedly being carried in the cable networks in non-CAS areas are 110 and 135 respectively in the QE Sep-13. However, these numbers relate to different networks and hence cannot be added for arriving at the total number of channels being carried in network.

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



- 5.3 Maximum number of TV channels (Pay, FTA and Local) being carried by any of the reported MSOs is 218 whereas in conventional analogue form, the maximum number of channels being carried any by the reported MSOs is 100 channels.
- 5.4 The digitization of cable TV sector is in progress in a phase manner in the country. The first phase for migration to Digital Addressable Cable TV System was 31.10.2012 and second phase was 31.03.2013. The final schedule notified by the Government for migration to Digital Addressable Cable TV System is given in Table-5.2.

Table 5.2 : Migration to Digital Addressable Cable TV Systems

Phase	Areas	Sunset date for Analog Cable TV
Phase I	Four Metros of Delhi, Mumbai, Kolkata, Chennai	31.10.2012
Phase II	Cities with a population more than one million (38 cities)	31.03.2013
Phase III	All Urban areas (Municipal Corporation/ Municipalities)	30.09.2014
Phase IV	Rest of India	31.12.2014

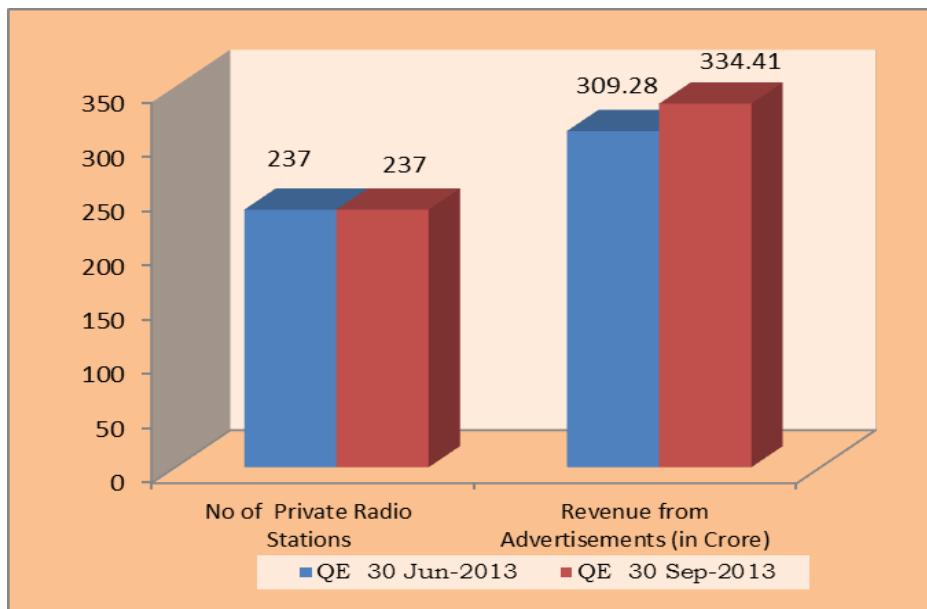
Satellite TV Channels

- 5.5 The total number of private satellite TV channels permitted by the Ministry of Information & Broadcasting, as obtained from its website, is 784 at the QE Sep-13.
- 5.6 There are a total of 187 pay channels as reported by broadcasters / distributors for which rates have been taken on records. The list of broadcasters/ distributors of pay TV channels along with the reported rates of pay channels for Non-CAS areas is at Annexure-5.1.

FM Radio Services

- 5.7 Apart from All India Radio of Prasar Bharti - a public broadcaster, there are 242 FM Radio stations in operation at the end of Sep-13. The list of 242 private FM Radio stations is at Annexure-5.2.
- 5.8 The total Advertisement Revenue during the quarter ending Jun-13 in respect of 237 private FM Radio stations was ₹309.28 crore and for quarter ending Sep-13 in respect of 237 private FM Radio stations, the total Advertisement Revenue was ₹334.41 crore. The reports prepared on the basis of reports submitted by the FM Radio service providers to TRAI. However, the details do not pertain to the same set of service providers.

Chart 5.2 : Comparative position of Revenue from FM Radio Stations as reported to TRAI



Community Radio

5.9 At the quarter ending Jun-13, out of 192 licensees of community radio stations, 150 stations were in operation. During the QE Sep-13, 04(four) licenses were issued. At the end of Sep-13, out of 196 licensees, 156 Community Radio Stations are in operation, as per the information received from Ministry of Information & Broadcasting.

Table 5.3 : Status of applications for community radio station licenses received from Ministry of Information and Broadcasting

	As on 30.09.2013
Total No. of Applications Received	1286
No. of Licenses issued	196
No. of Letters of Intent Issued	440
No. of Applications rejected	500
No. of stations operational	156

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 30.09.2013, their reported registered and active subscriber base is 60.71 million 34.26 million respectively. The list of DTH licensees is at Annexure-5.3.

Teleport Service

5.11 As per the information available on the website of the Ministry of Information and Broadcasting, there are 90 numbers of permitted Teleports as on 20.03.2013. 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/UL(AS)	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 except Assam, NE & J&K (19)	All	
7	IDEA	All India except KTK & Punjab (20)	Mumbai, TN incl. Chennai, Kol, WB, Bihar, OR, Assam, NE & J&K	Delhi, MH, Guj., AP, Kerala, Haryana, UP-W, UP-E, Raj., MP, HP
8	Shyam Telelink	Delhi, Kol, Guj, KTK, TN incl. Chennai, Kerala, UP-W, Raj, WB (9)	All	
9	BSNL	All India (except Delhi & Mumbai) 20		All
10	MTNL	Delhi, Mumbai (2)		All
11	Loop Telecom Private Ltd	Mumbai (1)		Mumbai
12	Unitech Group	MH, Guj, AP, UP-W, UP-E, Bihar (6)	All	
13	Videocon Telecommunications. Ltd.	Guj, Har, UP-W, UP-E, MP, Bihar (6)	All	
14	Spice Communications	KTK, Punjab (2)	All	
15	Quadrant	Punjab (1)	Punjab	

Source: DoT and Service providers

UASLs/UL(AS) 145

CMTSs 37

Total 182

Annexure 1.2: Wireless Subscriber Base

Service Area	Vodafone (GSM)		Bharti (GSM)		Idea (GSM)		Aircel/Dishnet (GSM)		Reliance (GSM)		Reliance (CDMA)	
	Jun-13	Sep-13	Jun-13	Sep-13	Jun-13	Sep-13	Jun-13	Sep-13	Jun-13	Sep-13	Jun-13	Sep-13
Andhra Pradesh	5,872,710	5,863,892	18,521,564	18,902,208	11,569,388	11,981,302	1,798,359	1,858,428	3,700,237	3,302,018	3,307,703	2,536,067
Assam	2,506,043	2,556,126	4,101,733	4,196,065	440,032	476,682	3,547,608	3,588,972	2,921,103	2,596,140	-	
Bihar	6,910,292	6,747,640	20,275,101	20,518,049	6,275,862	6,164,066	4,711,600	4,677,210	6,980,085	6,123,656	3,016,011	2,694,819
Delhi	8,561,135	8,845,576	9,407,812	9,725,980	4,944,716	5,251,411	2,956,149	3,133,898	4,367,837	4,557,804	3,426,675	3,228,548
Gujarat	16,285,515	16,518,850	7,057,857	7,117,258	8,466,824	8,690,983	35,773	35,773	5,183,277	5,128,669	2,010,632	1,568,723
Haryana	4,697,629	4,681,275	2,314,192	2,337,348	3,846,587	3,882,250	11,092	11,092	1,830,190	1,614,441	610,355	517,621
Himachal Pradesh	523,069	534,203	2,035,958	2,090,603	492,266	513,452	682,129	742,881	1,360,711	1,267,067	207,443	198,739
Jammu & Kashmir	660,662	687,681	2,473,706	2,532,977	249,095	267,487	1,922,242	2,014,339	645,870	672,572	49	54
Karnataka	6,780,471	6,920,902	16,355,229	16,564,821	6,342,955	6,586,224	1,918,124	2,201,043	4,276,035	4,441,790	2,541,496	1,838,724
Kerala	6,385,292	6,489,482	3,547,360	3,599,838	8,161,641	8,466,741	29,883	4,883	1,102,725	1,130,014	1,874,574	1,201,330
Madhya Pradesh	4,230,893	4,256,579	10,232,522	10,209,163	16,070,788	16,295,647	22,694	22,694	9,946,637	9,908,435	2,863,803	2,569,387
Maharashtra	13,644,766	14,076,683	10,033,460	10,226,355	16,786,007	17,421,267	1,246,495	1,312,246	5,642,039	5,157,213	2,465,662	2,032,701
Mumbai	6,567,520	6,831,544	3,868,834	4,107,494	3,099,398	3,237,854	1,560,725	1,704,239	2,745,736	2,805,549	3,328,246	3,120,434
North East	1,064,436	1,045,692	2,808,177	2,852,276	315,123	328,482	2,308,267	2,352,414	934,206	992,057	-	
Orissa	3,163,939	3,168,882	7,159,241	7,289,389	1,067,884	1,063,004	2,883,004	2,908,410	3,530,446	3,754,694	478,228	379,860
Punjab	4,483,340	4,503,245	7,034,838	7,107,014	5,842,432	5,845,234	943,240	1,002,025	2,760,838	2,689,306	479,722	381,418
Rajasthan	9,198,787	9,270,335	14,720,751	14,836,741	5,558,442	5,660,460	3,360,486	3,566,660	4,692,083	4,806,161	1,201,240	1,091,245
Tamil Nadu (incl. Chennai)	12,431,155	12,665,721	13,653,229	13,929,539	2,352,639	2,486,098	21,586,984	21,968,800	4,262,414	4,106,932	2,550,281	2,157,626
UP(E)	15,290,748	14,400,071	15,578,792	15,433,113	7,930,109	7,594,778	4,219,738	4,767,195	5,789,052	5,537,833	4,178,908	2,998,214
UP(W)	9,604,292	9,261,589	6,621,579	6,484,305	10,972,813	11,014,960	109,150	109,150	4,474,719	4,274,851	2,364,997	1,653,053
Kolkata	4,334,706	4,365,823	3,692,150	3,751,235	1,371,401	1,316,958	1,939,653	2,179,944	2,992,884	2,761,261	1,305,011	1,201,709
West Bengal	11,836,468	11,851,390	9,418,336	9,575,630	2,811,705	2,682,852	3,176,579	3,082,883	6,252,512	6,218,327	1,129,977	1,044,939
Total	155,033,868	155,543,181	190,912,421	193,387,401	124,968,107	127,228,192	60,969,974	63,245,179	86,391,636	83,846,790	39,341,013	32,415,211

Annexure 1.2 (contd.)

Service Area	Tata (GSM)		Tata (CDMA)		BSNL (GSM)		BSNL (CDMA)		MTNL (GSM)		MTNL (CDMA)	
	Jun-13	Sep-13	Jun-13	Sep-13	Jun-13	Sep-13	Jun-13	Sep-13	Jun-13	Sep-13	Jun-13	Sep-13
Andhra Pradesh	4,644,411	4,723,236	1,773,231	1,699,113	9,362,687	9,349,505	87,786	87,158	-	-	-	-
Assam	-		-		1,131,452	1,153,377	92,361	95,649	-	-	-	-
Bihar	2,224,573	2,033,802	1,280,241	1,238,615	3,607,702	3,510,198	213,878	214,798	-	-	-	-
Delhi	-		3,032,124	2,869,124	-	-	-	-	2,518,770	2,519,080	82,874	37,612
Gujarat	2,052,280	2,092,574	569,066	535,624	4,197,018	4,218,468	115,359	109,037	-	-	-	-
Haryana	1,830,508	1,824,233	837,962	817,589	3,063,076	3,065,505	19,446	18,550	-	-	-	-
Himachal Pradesh	81,681	69,671	85,249	79,785	1,487,825	1,481,202	55,806	53,943	-	-	-	-
Jammu & Kashmir	-		-		1,131,018	1,166,603	67,095	65,798	-	-	-	-
Karnataka	5,101,035	5,157,911	715,276	689,734	6,933,599	6,955,768	154,283	145,763	-	-	-	-
Kerala	1,431,282	1,398,752	274,236	255,706	7,604,817	7,756,318	277,872	260,649	-	-	-	-
Madhya Pradesh	3,199,201	3,218,368	732,300	711,197	4,852,356	4,953,138	207,293	196,441	-	-	-	-
Maharashtra	3,380,565	3,446,184	2,800,231	2,627,930	6,454,945	6,477,014	143,676	135,438	-	-	-	-
Mumbai	2,098,095	2,138,244	1,428,240	1,282,546	-	-	-	-	1,816,276	1,091,980	93,073	92,434
North East	-		-		1,619,133	1,657,849	150,329	151,150	-	-	-	-
Orissa	1,755,574	1,774,216	280,609	268,993	4,456,782	4,467,195	64,785	61,835	-	-	-	-
Punjab	1,535,387	1,554,875	914,706	894,229	4,364,839	4,460,100	38,592	35,907	-	-	-	-
Rajasthan	1,209,840	978,466	1,451,769	1,445,410	5,785,794	5,720,320	175,212	171,097	-	-	-	-
Tamil Nadu (incl. Chennai)	4,764,997	4,910,490	465,424	393,235	9,485,081	9,502,797	112,338	102,651	-	-	-	-
UP(E)	3,490,478	3,570,283	709,398	701,993	10,008,618	9,910,844	419,011	294,068	-	-	-	-
UP(W)	2,672,943	2,700,299	1,098,100	1,048,448	4,663,137	4,514,419	91,293	90,971	-	-	-	-
Kolkata	2,166,875	2,227,895	673,266	646,206	2,272,562	2,259,186	22,784	22,543	-	-	-	-
West Bengal	1,623,196	1,314,911	241,666	207,051	2,930,108	2,893,021	68,972	71,908	-	-	-	-
Total	45,262,921	45,134,410	19,363,094	18,412,528	95,412,549	95,472,827	2,578,171	2,385,354	4,335,046	3,611,060	175,947	130,046

Annexure 1.2 (contd.)

Service Area	Sistema (CDMA)		Quadrant (HFCL) (GSM)		Quadrant (HFCL) (CDMA)		Loop (GSM)		Unitech (GSM)		Videocon (GSM)		Total		
	Jun-13	Sep-13	Jun-13	Sep-13	Jun-13	Sep-13	Jun-13	Sep-13	Jun-13	Sep-13	Jun-13	Sep-13	Jun-13	Sep-13	
Andhra Pradesh	-		-	-	-	-	-	-	4,450,683	4,414,731	-	-	65,088,759	64,717,658	
Assam	-		-	-	-	-	-	-	-	-	-	-	14,740,332	14,663,011	
Bihar	-		-	-	-	-	-	-	4,517,009	4,398,886	-	-	60,012,354	58,321,739	
Delhi	881,544	882,224	-	-	-	-	-	-	-	-	-	-	40,179,636	41,051,257	
Gujarat	200,654	175,572	-	-	-	-	-	-	5,084,389	4,960,851	702,642	988,327	51,961,286	52,140,709	
Haryana	-		-	-	-	-	-	-	-	-	852,520	1,131,142	19,913,557	19,901,046	
Himachal Pradesh	-		-	-	-	-	-	-	-	-	-	-	7,012,137	7,031,546	
Jammu & Kashmir	-		-	-	-	-	-	-	-	-	-	-	7,149,737	7,407,511	
Karnataka	1,983,518	1,924,172	-	-	-	-	-	-	-	-	-	-	53,102,021	53,426,852	
Kerala	450,599	436,353	-	-	-	-	-	-	-	-	-	-	31,140,281	31,000,066	
Madhya Pradesh	-		-	-	-	-	-	-	-	-	862,831	1,125,094	53,221,318	53,466,143	
Maharashtra	-		-	-	-	-	-	-	5,541,113	5,770,597	-	-	68,138,959	68,683,628	
Mumbai	-		-	-	-	-	2,716,568	2,886,719	-	-	-	-	29,322,711	29,299,037	
North East	-		-	-	-	-	-	-	-	-	-	-	9,199,671	9,379,920	
Orissa	-		-	-	-	-	-	-	-	-	-	-	24,840,492	25,136,478	
Punjab	-		1,401,781	1,718,915	16,246	6,920	-	-	-	-	-	-	-	29,815,961	30,199,188
Rajasthan	2,163,347	2,178,127	-	-	-	-	-	-	-	-	-	-	49,517,751	49,725,022	
Tamil Nadu (incl. Chennai)	1,161,453	1,085,246	-	-	-	-	-	-	-	-	-	-	72,825,995	73,309,135	
UP(E)	-		-	-	-	-	-	-	7,440,256	7,541,316	-	-	75,055,108	72,749,708	
UP(W)	379,458	318,743	-	-	-	-	-	-	5,262,422	5,269,519	-	-	48,314,903	46,740,307	
Kolkata	778,263	764,521	-	-	-	-	-	-	-	-	-	-	21,549,555	21,497,281	
West Bengal	1,770,490	1,791,852	-	-	-	-	-	-	-	-	-	-	41,260,009	40,734,764	
Total	9,769,326	9,556,810	1,401,781	1,718,915	16,246	6,920	2,716,568	2,886,719	32,295,872	32,355,900	2,417,993	3,244,563	873,362,533	870,582,006	

Annexure 1.3: Wireline Subscriber Base

Service Area	Bharti		Reliance		Quadrant (HFCL)		Sistema		Tata	
	Jun-13	Sep-13	Jun-13	Sep-13	Jun-13	Sep-13	Jun-13	Sep-13	Jun-13	Sep-13
Andhra Pradesh	126,070	125,802	89,120	88,593	-	-	-	-	164,413	165,416
Assam					-	-	-	-		-
Bihar			5,492	5,592	-	-	-	-	10,662	10,692
Delhi	1,085,845	1,162,863	183,362	183,570	-	-	-	-	91,516	93,159
Gujarat	55,573	55,994	98,027	96,795	-	-	-	-	71,490	72,875
Haryana	23,989	20,742	5,370	5,440	-	-	-	-	25,095	26,489
Himachal Pradesh			4,578	4,733	-	-	-	-	2,425	2,446
Jammu & Kashmir				-	-	-	-	-		-
Karnataka	493,328	487,776	114,433	115,937	-	-	-	-	144,208	149,472
Kerala	56,059	49,218	53,565	52,885	-	-	-	-	11,513	11,420
Madhya Pradesh	242,513	231,995	26,291	25,563	-	-	-	-	16,225	17,100
Maharashtra	70,533	68,774	100,107	99,408	-	-	-	-	242,966	247,964
Mumbai	332,811	350,592	232,478	233,286	-	-	-	-	524,879	523,465
North East					-	-	-	-		
Orissa			3,622	3,676	-	-	-	-	6,458	6,738
Punjab	106,221	97,111	25,069	24,577	195,889	202,402	-	-	16,793	17,087
Rajasthan	39,477	36,466	24,361	24,193	-	-	53,628	54,351	7,003	7,935
Tamil Nadu (incl. Chennai)	480,261	471,287	147,459	147,040	-	-	-	-	73,229	74,523
U.P.(E)	50,714	51,230	40,362	40,525	-	-	-	-	13,548	14,000
U.P.(W)	24,378	21,128	5,874	5,998	-	-	-	-	8,095	8,464
Kolkata	94,240	106,901	81,165	81,377	-	-	-	-	36,533	37,917
West Bengal			2,099	2,153	-	-	-	-	3,762	3,755
Total	3,282,012	3,337,879	1,242,834	1,241,341	195,889	202,402	53,628	54,351	1,470,813	1,490,917

Annexure 1.3 (contd.)

Service Area	M TNL		BSNL		Vodafone		Total	
	Jun-13	Sep-13	Jun-13	Sep-13	Jun-13	Sep-13	Jun-13	Sep-13
Andhra Pradesh	-	-	1,800,852	1,751,010	5,850	5,940	2,186,305	2,136,761
Assam	-	-	192,684	191,564	660	840	193,344	192,404
Bihar	-	-	374,935	372,808	210	270	391,299	389,362
Delhi	1,599,376	1,598,794			13,050	14,490	2,973,149	3,052,876
Gujarat	-	-	1,520,502	1,496,328	540	630	1,746,132	1,722,622
Haryana	-	-	485,272	470,023			539,726	522,694
Himachal Pradesh	-	-	262,945	256,824			269,948	264,003
Jammu & Kashmir	-	-	193,864	189,774			193,864	189,774
Karnataka	-	-	1,649,152	1,613,635	4,290	4,260	2,405,411	2,371,080
Kerala	-	-	2,912,288	2,871,487			3,033,425	2,985,010
Madhya Pradesh	-	-	830,182	830,208	150	120	1,115,361	1,104,986
Maharashtra	-	-	1,983,732	1,942,678	3,000	3,210	2,400,338	2,362,034
Mumbai	1,950,514	1,944,053			7,740	8,190	3,048,422	3,059,586
North East	-	-	168,172	143,447			168,172	143,447
Orissa	-	-	357,007	348,150	300	360	367,387	358,924
Punjab	-	-	957,611	935,140	390	270	1,301,973	1,276,587
Rajasthan	-	-	870,498	852,978	360	510	995,327	976,433
Tamil Nadu (incl. Chennai)	-	-	2,358,845	2,310,589	3,180	3,000	3,062,974	3,006,439
U.P.(E)	-	-	904,190	766,715	480	540	1,009,294	873,010
U.P.(W)	-	-	628,187	616,600	240	270	666,774	652,460
Kolkata	-	-	906,311	886,504	1,560	1,320	1,119,809	1,114,019
West Bengal	-	-	533,067	521,979			538,928	527,887
Total	3,549,890	3,542,847	19,890,296	19,368,441	42,000	44,220	29,727,362	29,282,398

Annexure 1.4: Service Area and Operator wise details of PCOs

S.No.	Name of the Circle/Service Area	Service Provider	30 th June 2013	30 th September 2013	Net PCO added/ decreased during the Q.E. September' 13	Percentage Growth/ Decline for the Q.E. 30.09.2013
1	Andaman & Nicobar	BSNL	230	227	-3	-1.30%
2	Andhra Pradesh	BSNL	78,778	71,954	-6,824	-8.66%
		Bharti	345	345	0	0.00%
		TATA	12,251	10,694	-1,557	-12.71%
		Reliance	31,981	28,002	-3,979	-12.44%
3	Assam	BSNL	11,695	11,694	-1	-0.01%
4	Bihar(including Jharkhand)	TATA	-	-	0	-
		BSNL	8,769	8,700	-69	-0.79%
		Reliance	1,433	1,249	-184	-12.84%
		TATA	697	555	-142	-20.37%
5	Delhi	Bharti	2,212	2,321	109	4.93%
		MTNL	59,331	58,929	-402	-0.68%
		Reliance	1,286	1,072	-214	-16.64%
		TATA	6,080	5,402	-678	-11.15%
6	Gujarat	BSNL	36,826	35,278	-1,548	-4.20%
		Bharti	24	24	0	0.00%
		Reliance	4,363	3,719	-644	-14.76%
		TATA	8,842	7,580	-1,262	-14.27%
7	Haryana	BSNL	9,061	8,634	-427	-4.71%
		Bharti	278	281	3	1.08%
		Reliance	201	182	-19	-9.45%
		TATA	300	246	-54	-18.00%
8	Himachal Pradesh	BSNL	6,113	5,851	-262	-4.29%
		Reliance	905	892	-13	-1.44%
		TATA	143	116	-27	-18.88%
		BSNL	8,675	7,138	-1,537	-17.72%
9	Jammu & Kashmir	TATA	-	-	0	-
10	Karnataka	BSNL	109,217	103,822	-5,395	-4.94%
		Bharti	8,883	9,080	197	2.22%
		Reliance	11,401	10,252	-1,149	-10.08%
		TATA	10,341	8,642	-1,699	-16.43%
11	Kerala	BSNL	44,622	40,231	-4,391	-9.84%
		Bharti	877	883	6	0.68%
		Reliance	2,507	2,144	-363	-14.48%
		TATA	614	461	-153	-24.92%
12	Madhya Pradesh (Including Chattisgarh)	BSNL	32,362	31,682	-680	-2.10%
		Bharti	5,301	5,405	104	1.96%
		Reliance	3,117	2,879	-238	-7.64%
		TATA	3,507	3,010	-497	-14.17%
13	Maharashtra (including Mumbai)	BSNL & MTNL	195,527	189,329	-6,198	-3.17%
		Bharti	59	123	64	108.47%
		Reliance	21,233	19,527	-1,706	-8.03%
		TATA	54,399	48,296	-6,103	-11.22%
13	Mumbai	Bharti	52	52	0	0.00%
		MTNL	89,559	88,269	-1,290	-1.44%
		Reliance	10,321	10,017	-304	-2.95%
		TATA	11,945	10,122	-1,823	-15.26%
13	Maharashtra excluding Mumbai	BSNL	105,968	101,060	-4,908	-4.63%
		Bharti	7	71	64	914.29%
		Reliance	10,912	9,510	-1,402	-12.85%
		Tata	42,454	38,174	-4,280	-10.08%

Annexure 1.4 (Contd.)

S.No.	Name of the Circle/Service Area	Service Provider	30 th June 2013	30 th September 2013	Net PCO added/ decreased during the Q.E. September' 13	Percentage Growth/ Decline for the Q.E. 30.09.2013
14	North East	BSNL	8,567	8,532	-35	-0.41%
		TATA	-	-	0	-
15	Orissa	BSNL	9,941	9,279	-662	-6.66%
		Reliance	370	321	-49	-13.24%
		TATA	718	572	-146	-20.33%
16	Punjab	BSNL	12,400	11,272	-1,128	-9.10%
		Bharti	233	246	13	5.58%
		Quadrant (HFCL)	3,784	3,555	-229	-6.05%
		Reliance	1,360	1,238	-122	-8.97%
		TATA	2,156	1,954	-202	-9.37%
17	Rajasthan	BSNL	20,782	19,741	-1,041	-5.01%
		Bharti	255	261	6	2.35%
		Sistema Shyam	12,718	12,493	-225	-1.77%
		Reliance	2,313	2,059	-254	-10.98%
		TATA	1,276	1,041	-235	-18.42%
18	Tamil Nadu (including Chennai)	BSNL	116,248	111,613	-4,635	-3.99%
		Bharti	13,952	14,246	294	2.11%
		Reliance	16,592	14,993	-1,599	-9.64%
		TATA	10,528	7,455	-3,073	-29.19%
18	Chennai	BSNL	17,079	16,263	-816	-4.78%
		Reliance	4,349	4,081	-268	-6.16%
	Tamil nadu (excluding Chennai)	BSNL	99,169	95,350	-3,819	-3.85%
		Bharti	13,952	14,246	294	2.11%
19	Uttar Pradesh (East)	Reliance	12,243	10,912	-1,331	-10.87%
		TATA	10,528	7,455	-3,073	-29.19%
		BSNL	59,781	54,054	-5,727	-9.58%
		Bharti	312	318	6	1.92%
20	Uttar Pradesh (West) (including Uttranchal)	Reliance	1,571	1,377	-194	-12.35%
		TATA	1,138	989	-149	-13.09%
		BSNL	20,192	17,859	-2,333	-11.55%
		Bharti	258	268	10	3.88%
21	West Bengal (including Kolkata)	Reliance	1,166	1,000	-166	-14.24%
		TATA	1,651	1,422	-229	-13.87%
		BSNL	36,833	36,305	-528	-1.43%
		Bharti	91	93	2	2.20%
21	Kolkata	Reliance	3,483	3,092	-391	-11.23%
		TATA	5,399	4,589	-810	-15.00%
		BSNL	9,566	9,135	-431	-4.51%
		Bharti	91	93	2	2.20%
21	West Bengal (excluding Kolkata)	Reliance	1,640	1,452	-188	-11.46%
		TATA	3,596	3,201	-395	-10.98%
		BSNL	27,267	27,170	-97	-0.36%
		Reliance	1,843	1,640	-203	-11.01%
		TATA	1,803	1,388	-415	-23.02%
	TOTAL		1,160,854	1,089,088	-71,766	-6.18%

Annexure 1.5: Service Area & Operator wise details of Village Public Telephones

S. No.	Name of the Circle/Service Area	Service Provider	30 th June 2013	30 th September 2013	Net VPT added/ decreased during the Q.E. September'13	Percentage Growth/ Decline for the Q.E. 30.09.2013
1	Andaman & Nicobar	BSNL	352	352	0	0.00%
2	Andhra Pradesh	BSNL	25105	25107	2	0.01%
		Bharti	0	0	0	-
		TATA	1358	1358	0	0.00%
		Reliance	0	0	0	-
		Vodafone	0	0	0	-
3	Assam	BSNL	24688	24688	0	0.00%
		TATA	0	0	0	-
		Vodafone	0	0	0	-
4	Bihar(including Jharkhand)	BSNL	67748	67748	0	0.00%
		Reliance	0	0	0	-
		TATA	0	0	0	-
		Vodafone	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	18051	18051	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	17408	17408	0	0.00%
		Reliance	0	0	0	-
		TATA	0	0	0	-
9	Jammu & Kashmir	BSNL	6384	6384	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	70330	70309	-21	-0.03%
		Bharti	0	0	0	-
		Reliance	0	0	0	-
		Vodafone	0	0	0	-
		TATA	0	0	0	-
13	Maharashtra (including Mumbai)	BSNL& MTNL	40654	40654	0	0.00%
		Bharti	0	0	0	-
		TATA	2595	2595	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	40654	40654	0	0.00%
		Bharti	0	0	0	-
		Reliance	0	0	0	-
		TATA	2595	2595	0	0.00%
		Vodafone	0	0	0	-

Annexure 1.5 (contd.)

S. No.	Name of the Circle/Service Area	Service Provider	30 th June 2013	30 th September 2013	Net VPT added/ decreased during the Q.E. September'13	Percentage Growth/ Decline for the Q.E. 30.09.2013
14	North East	BSNL	13017	13017	0	0.00%
15	Orissa	BSNL	45215	45215	0	0.00%
		Reliance	0	0	0	-
		TATA	0	0	0	-
		Vodafone	0	0	0	-
		BSNL	12065	12065	0	0.00%
16	Punjab	Quadrant Televentures L	27	27	0	0.00%
		Bharti	0	0	0	-
		Reliance	0	0	0	-
		TATA	0	0	0	-
		Vodafone	0	0	0	-
		BSNL	39568	39568	0	0.00%
17	Rajasthan	Bharti	0	0	0	-
		Sistema 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	-
18	Chennai	BSNL	1655	1655	0	0.00%
		Vodafone	0	0	0	-
		Reliance	0	0	0	-
		BSNL	13837	13837	0	0.00%
		TATA	0	0	0	-
19	U P (East)	Reliance	0	0	0	-
		Bharti	0	0	0	-
		TATA	0	0	0	-
		BSNL	74145	74145	0	0.00%
		BSNL	39038	39071	33	0.08%
20	UP (West) (incl. Uttarakhand)	Reliance	0	0	0	-
		Bharti	0	0	0	-
		TATA	0	0	0	-
		BSNL	37523	37550	27	0.07%
21	West Bengal (including Kolkata)	Bharti	0	0	0	-
		Reliance	0	0	0	-
		TATA	0	0	0	-
		BSNL	613	613	0	0.00%
	Kolkata	Bharti	0	0	0	-
		Reliance	0	0	0	-
		TATA	0	0	0	-
21	West Bengal (excluding Kolkata)	BSNL	36910	36937	27	0.07%
		Reliance	0	0	0	-
		TATA	0	0	0	-
		Total	589,272	589,313	41	0.01%

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

S.No	Name of the Service Providers
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	Indusind Media & Communications Limited (In2cable (I) Ltd.)
14	Karuturi Telecom Private Limited (Estel Communications Pvt. Ltd).
15	Manipal Ecommerce Ltd.
16	My Own Infotech Pvt. Ltd
17	Novanet Ltd.
18	Oistel Telecom Pvt. Ltd.
19	Opto Network Pvt. Ltd.
20	Ortel Communication Ltd.
21	Pipetel Communications Pvt. Ltd.
22	Pulse Telesystems Pvt. Ltd.
23	QBC Infotech Pvt. Ltd.
24	Sify Technologies Ltd.
25	Swiftmail Communications Ltd.
26	Tata Communications Limited
27	Tata Teleservices Limited
28	Tata Teleservices(Maharashtra) Ltd.
29	Trikon Electronics Pvt. Ltd.
30	Tulip Telecom Limited (Tulip IT Services Ltd.)
31	VIVA Communications Pvt Ltd (Mylai Karpagambal Information Systems (P) Ltd)
32	World Phone Internet Services Pvt Ltd
33	You Broadband & Cable India Private Limited

**Annexure 1.7 : Internet Service Provider(ISP) wise Internet Subscriber base
(except subscribers accessing internet by mobile devices)**

S. No	Name of Service Provider	Jun-13	Sep-13		
		Total Internet Subscribers (Including Broadband & Narrowband)	Narrowband Subscribers (<256 Kbps speed)	Broadband Subscribers (>256 Kbps speed)	Total Internet Subscribers (Including Broadband & Narrowband)
1	Bharat Sanchar Nigam Ltd.	13158831	3195332	9978782	13174114
2	Reliance Communications Infrastructure Limited	2596164	2574636	177064	2751700
3	Mahanagar Telephone Nigam Ltd.	1977627	879502	1098281	1977783
4	Bharti Airtel Ltd.	1413929	875	1442300	1443175
5	Hathway Cable&Datacom Pvt Ltd	368435	3	375817	375820
6	You Broadband & Cable India Private Limited	361252	44902	328029	372931
7	Beam Telecom Pvt. Ltd.	294211	0	326417	326417
8	Tikona Digital Networks Pvt Ltd	269196	0	259008	259008
9	Quadrant Televentures Ltd.(HFCL Infotel Ltd.)	119367	3632	122313	125945
10	Asianet Satellite Communications Ltd.	114137	0	119766	119766
11	Tata Communications Limited	115545	33082	78098	111180
12	Syscon Infoway Pvt Ltd *	93172	15994	77178	93172
13	Tata Teleservices(Maharashtra) Ltd.	85996	0	88000	88000
14	D-Vois Broadband Private Ltd	57768	0	71811	71811
15	Atria Convergence Technologies Pvt. Ltd.	47781	0	58019	58019
16	Gujarat Telelink Pvt Ltd	51202	21092	36083	57175
17	Five Network Solution(India) Ltd.	55831	0	56856	56856
18	Ortel Communication Ltd.	51296	0	52663	52663
19	Broadband Pacenet (I) Pvt. Ltd.	41726	0	43191	43191
20	Alliance Broadband Services Pvt. Ltd.	38859	0	40425	40425
21	Citycom Networks Pvt. Ltd.	33756	226	39345	39571
22	Zylog Systems(India) Ltd. *	37880	7997	29883	37880
23	Ankhnet Informations Pvt.Ltd *	31819	0	31819	31819
24	Meghbela Cable & Broadband Servies (P) Ltd	27650	10460	21167	31627
25	Tata Teleservices Limited	25789	0	28793	28793
26	Chandra Net Pvt. Limited	28570	105	28073	28178
27	Indusind Media & Communications Limited (In2cable (I) Ltd.)	28284	396	27711	28107
28	Honesty Net Solutions(I) Pvt Ltd *	25539	7875	19010	26885

Annexure 1.7 (contd.)

S. No	Name of Service Provider	Jun-13	Sep-13		
		Total Internet Subscribers (Including Broadband & Narrowband)	Narrowband Subscribers (<256 Kbps speed)	Broadband Subscribers (>256 Kbps speed)	Total Internet Subscribers (Including Broadband & Narrowband)
29	Noida Software Technology Park Ltd	16955	0	22324	22324
30	Shyam Internet Services Ltd	20353	15118	4142	19260
31	Home Systems Pvt. Ltd.	16825	0	18505	18505
32	Wish Net Pvt. Ltd.	31913	0	16506	16506
33	Rajesh Multi Channel Pvt. Ltd.	15914	0	16277	16277
34	Digital Network associates PvtLtd	12644	0	15962	15962
35	Southern Online Bio-Technologies Ltd.	13273	3265	10993	14258
36	Sify Technologies Ltd.	32258	8565	5644	14209
37	R.K. Infratel Limited *	11466	335	12428	12763
38	Vasai Cable Pvt. Ltd.	12162	0	12667	12667
39	SmartLink Broadband Services *	0	0	10036	10036
40	IOL Netcom Limited *	9973	0	9973	9973
41	Nivyah Infrastructure & Telecom Services Ltd. (Softeng Computers Pvt. Ltd.)	9489	0	8027	8027
42	Blazenet Ltd.	6634	3884	2941	6825
43	RailTel Corporation of India Ltd.	245	0	6780	6780
44	City Online Services Ltd *	6439	0	6439	6439
45	Swiftmail Communications Ltd.	6287	871	5561	6432
46	Apna Telelink Ltd.	5248	0	6240	6240
47	DEN Networks Ltd	5020	327	5052	5379
48	Nettlinx Ltd.	4906	0	5263	5263
49	Spacenet Internet Services PvtLtd	4167	0	4072	4072
50	Quest Consultancy Pvt. Ltd.	3627	0	3900	3900
51	Nextra Teleservices Pvt. Ltd.	2239	0	3823	3823
52	Narmada Cyberzone Pvt Ltd	3554	1850	1887	3737
53	Hathway Bhawani Cabletel & Datacom Pvt. Ltd.	3526	45	3470	3515
54	HCL Comnet Systems& Services Ltd	3421	9	3411	3420
55	Descon Ltd *	3329	0	3329	3329
56	Dishnet Wireless Ltd	3109	3	3234	3237
57	F/X Wireless Technology Services Pvt. Ltd. *	3098	8	3101	3109
58	CJ Online Pvt. Ltd.	2496	131	2843	2974
59	Geocity Network Solutions Pvt. Ltd.	3069	0	2956	2956
60	Rajesh Patel Net Services Pvt. Ltd.	2611	0	2935	2935
61	Bhupati Hotels Pvt. Ltd *	2807	0	2807	2807
62	Kaizen Infonet Pvt Ltd	2545	197	2551	2748

Annexure 1.7 (contd.)

S. No	Name of Service Provider	Jun-13	Sep-13		
		Total Internet Subscribers (Including Broadband & Narrowband)	Narrowband Subscribers (<256 Kbps speed)	Broadband Subscribers (> 256 Kbps speed)	Total Internet Subscribers (Including Broadband & Narrowband)
64	Symbois Creations Pvt. Ltd.*	2648	0	2503	2503
65	Intermedia Cable Communication Pvt Ltd	2120	300	2100	2400
66	Siliguri Internet & Cable TV Pvt Ltd.	2233	0	2246	2246
67	CJM Consultancy Services Pvt. Ltd.	1995	0	2229	2229
68	Idea Cellular Limited	849	0	2227	2227
69	Shri Omkar Infocom Pvt. Ltd.	2111	0	2195	2195
70	IKF Technologies Ltd *	2143	1181	962	2143
71	Kappa Internet Services Pvt Ltd.	3090	0	2063	2063
72	Yashash Cable Network Pvt Ltd *	1996	0	2016	2016
73	North East Dataa Network Pvt Ltd.	1845	0	2010	2010
74	Value Healthcare Ltd. *	1941	0	1941	1941
75	Sanchar Telenetwork Pvt Ltd *	1705	0	1705	1705
76	Tikona Infinet Ltd.(HCL Infinet Ltd.)	1695	789	909	1698
77	Hughes Communications India Ltd.	1433	0	1683	1683
78	Wan and Lan Internet Pvt. Ltd.	1602	0	1582	1582
79	Capture Network Systems Pvt. Ltd.	1546	0	1575	1575
80	Digital2Virtual ISP Pvt. Ltd. *	1518	255	1263	1518
81	Vodafone Spacetel Ltd *	1131	0	1453	1453
82	Touch Net India Pvt. Ltd.	1291	14	1284	1298
83	Star Broadband Services (I) Pvt	1274	0	1295	1295
84	Speed Online.net Pvt. Ltd.	1140	57	1155	1212
85	Cordia LT Communications Pvt Ltd*	983	0	983	983
86	Readylink Internet Services Pvt Ltd	923	535	426	961
87	Data Infosys Ltd.	1042	203	593	796
88	United Telecoms Ltd.	593	0	767	767
89	Pipetel Communications Pvt. Ltd.*	636	4	632	636
90	delDSL Internet Pvt Ltd	533	5	527	532
91	Software Technology Park of India(STPI) *	448	0	448	448
92	Rajdhani Telecom Pvt. Ltd. *	442	0	428	428
93	ERNET India	419	151	264	415
94	Sikka Broadband(P) Ltd.(Gomti Cable Network Pvt. Ltd.)	350	39	335	374
95	S.S.Netcom Pvt Ltd *	367	41	330	371
96	Pacific Internet India Pvt. Ltd. *	327	327	0	327
97	Nihar Internet Services (P) Ltd *	296	82	214	296

Annexure 1.7 (contd.)

S. No	Name of Service Provider	Jun-13	Sep-13		
		Total Internet Subscribers (Including Broadband & Narrowband)	Narrowband Subscribers (<256 Kbps speed)	Broadband Subscribers (> 256 Kbps speed)	Total Internet Subscribers (Including Broadband & Narrowband)
99	World Phone Internet Services Pvt Ltd	242	0	272	272
100	Rida Communication Pvt. Ltd. *	248	248	0	248
101	Microsense Pvt. Ltd.	189	0	208	208
102	Bhiwani Communications Pvt. Ltd.	186	187	17	204
103	Vainavi Industries Ltd. *	200	0	200	200
104	Rainbow Communications (India) Pvt Ltd *	197	0	197	197
105	QBC Infotech Pvt. Ltd.	163	0	187	187
106	Infonet Comm Services Enterprises Private Limited (earlier Mynet Services India Pvt. Ltd.) *	179	0	184	184
107	Tatanet Services Ltd	229	0	161	161
108	Sanyog Networks Pvt Ltd *	154	154	2	156
109	Amber Online Services Ltd.	152	0	152	152
110	Conjoinix Technologies Pvt Ltd *	139	0	149	149
111	Multinet (Udaipur) Pvt. Ltd.	419	0	149	149
112	Sab Infotech (Sab Industries)	197	18	121	139
113	Aeroway Networks Pvt Ltd.	65	0	125	125
114	Trans Virtual Pvt. Ltd. *	116	0	116	116
115	Karuturi Telecom Private Limited (Estel Communications Pvt. Ltd.).	137	0	86	86
116	Tarang Communications Pvt. Ltd. *	82	0	82	82
117	Shri Vinayagaa Internet Pvt Ltd	65	51	23	74
118	Khetan Cable Network (P) Ltd	58	0	73	73
119	Micky Online Pvt Ltd *	70	70	0	70
120	Eronet Broadband Service India Pvt. Ltd. *	69	0	69	69
121	Pulse Telesystems Pvt. Ltd.	52	0	68	68
122	iCAN Solutions Private Limited *	63	0	63	63
123	NetMagic Solutions(P) Ltd.	64	0	63	63
124	Limras Eronet Broadband Service Pvt Ltd *	58	0	58	58
125	Verizon Communications India Pvt. Ltd. (Worldcom Communications).	104	0	58	58
126	RS Broadband Service India PvtLtd*	56	0	56	56
127	Harisree CableNet Pvt. Ltd.	55	0	55	55
128	Oasis Cable Pvt Ltd. *	54	15	39	54
129	Nelco Ltd.	43	0	53	53
130	Wire and Wireless India Ltd. *	44	0	44	44

Annexure 1.7 (contd.)

S. No	Name of Service Provider	Jun-13	Sep-13		
		Total Internet Subscribers (Including Broadband & Narrowband)	Narrowband Subscribers (<256 Kbps speed)	Broadband Subscribers (> 256 Kbps speed)	Total Internet Subscribers (Including Broadband & Narrowband)
132	Konark Infocomm Pvt Ltd *	42	0	42	42
133	Adya Tech One Services Pvt Ltd	33	0	38	38
134	Kelnet Communication Services Pvt. Ltd	35	0	38	38
135	AT&T Global Network Services India Private Limited	36	0	37	37
136	Dream Plus Multi Services Pvt. Ltd *	9	0	37	37
137	Dreamzcraft Info Solutions Pvt Ltd *	36	10	27	37
138	Guj Info Petro Ltd. (GIPL) *	58	0	37	37
139	Power Grid Corporation of India Ltd.	27	0	33	33
140	Novanet Ltd.	36	0	29	29
141	West Bengal Electronics Industry Development Corp. Ltd.	27	0	28	28
142	Reach Network India Pvt. Ltd.	28	2	25	27
143	STN Communication & Advertising Pvt Ltd.	41	0	25	25
144	ISP Services (India) Pvt. Ltd. *	24	0	24	24
145	Tulip Telecom Limited (Tulip IT Services Ltd.) *	19	3	21	24
146	Chemical And Metallurgical Design Co. Ltd	18	0	19	19
147	Financial Technologies Communications Ltd.	16	0	16	16
148	Vcare Call Centres India Pvt. Ltd.	14	0	14	14
149	Nextgen Communications Ltd(RPG Infotech Ltd).	10	0	10	10
150	VIVA Communications Pvt Ltd (Mylai Karpagambal Information Systems (P) Ltd)	4	0	9	9
151	ABT Ltd.	5	0	5	5
152	Vishwashakti Technologies Pvt Ltd *	5	0	5	5
153	Opto Network Pvt. Ltd.	4	0	4	4
154	Godrej Infotech Ltd.	4	1	2	3
155	Centre for Development of Advanced Computing, C-DAC	2	0	2	2
156	Compucom (I) Pvt. Ltd.	2	2	0	2
157	Devas Multimedia Pvt.Ltd.	2	0	2	2
158	Orange Business Services India Network Pvt. Ltd.(Earlier Equant Network Services India Pvt. Ltd.)	2	0	2	2

Annexure 1.7 (contd.)

S. No	Name of Service Provider	Jun-13	Sep-13		
		Total Internet Subscribers (Including Broadband & Narrowband)	Narrowband Subscribers (<256 Kbps speed)	Broadband Subscribers (> 256 Kbps speed)	Total Internet Subscribers (Including Broadband & Narrowband)
159	L&T Finance Ltd.(L&T Netcom Ltd.)	1	0	1	1
160	Maple PC & Peripherals Pvt Ltd	2	0	1	1
162	Virgo Global Media Ltd (Online Media Solutions Ltd).*	1	0	1	1
163	Advanced Financial Services Pvt Ltd *	0	0	0	0
164	Astro Network India Pvt. Ltd.	3	0	0	0
165	Broadlane Networks Pvt. Ltd. *	0	0	0	0
166	Gujarat Narmada Valley Fertilizer Co. Ltd. (GNFC) *	0	0	0	0
167	Karuturi Global Ltd. *	0	0	0	0
168	Kerala State Electronics Development Corp Ltd.(Keltron)	0	0	0	0
169	Madura Cable Net Pvt. Ltd. *	0	0	0	0
170	Manipal Ecommerce Ltd. *	0	0	0	0
171	My Own Infotech Pvt. Ltd *	0	0	0	0
172	Oistel Telecom Pvt. Ltd.	0	0	0	0
173	Pan India Network Infravest Pvt. Ltd.	0	0	0	0
174	Quick Online Pvt. Ltd. *	0	0	0	0
175	Reliance Wimax Limited (Gateway Systems (I) Ltd)	0	0	0	0
176	Sisam Technologies Pvt. Ltd. *	0	0	0	0
177	Spectrum Softech Solutions Pvt. Ltd.	1	0	0	0
178	Swastik Netvision Telecom P.Ltd *	0	0	0	0
179	Tata Internet Services Ltd.	0	0	0	0
180	Trak Online Net India Pvt.Ltd *	0	0	0	0
181	Trikon Electronics Pvt. Ltd.	0	0	0	0
182	Urban Communications Infrastructure Pvt. Ltd.	0	0	0	0
	Total	21885357	6837883	15348495	22186378
	Total (in Million)	21.89	6.84	15.35	22.19

Note: * Service Providers, who have not submitted their report for the quarter ending September, 2013, data from the previous report has been retained.

Annexure 1.8: Service Area wise PMRTS subscriber Base

SNo.	Operative Area	Service Providers	Subscriber Base	
			30.6.2013	30.9.2013
1	Delhi(Faridabad/Gurgaon)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	4198	2652
		Procall(Delhi)	2104	3910
		Procall (Faridabad)	452	452
		Procall (Gurgaon)	820	871
		Total	7574	7885
2	Mumbai(Navi Mumbai/Vashi)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	5734	5234
		Smartalk (Mumbai)	217	446
		Smartalk (Vashi)	65	65
		Bhilwara Telenet(Mumbai)	708	1101
		Total	6724	6846
3	Kolkata	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1811	1845
		Total	1811	1845
4	TN(Chennai)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	4796	4828
		Quick Calls	127	259
		Total	4923	5087
5	Karnataka (Bangalore)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	5400	5122
		Quick Calls	148	507
		India Satcom	0	0
		Total	5548	5629
6	Andhra Pradesh (Vishakhapatnam)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	2832	2838
		Quick Calls	1664	1784
		Total	4496	4622
7	Madhya Pradesh (Indore)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	776	732
		Total	776	732
8	Rajasthan (Jaipur)	Procall	504	507
		Total	504	507
9	Gujrat(Ahmedabad /Surat/Baroda/ Bharuch)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	3955	4038
		Total	3955	4038
10	Maharashtra (Pune)	Smartalk	187	503
		Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1504	1205
		Total	1691	1708
		Grand Total	38002	38899

Annexure 2.1: GSM Service - Service Area wise Statistics for QE Sep-13

Category: Circle A

Service Area	% of prepaid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
AP	96.50	121	31	191	192	383
Gujarat	95.07	98	24	181	158	339
Karnataka	95.07	122	52	201	186	387
MH	95.16	111	45	172	160	333
TN (incl. Chennai)	95.24	119	64	182	191	372

Category: Circle B

Service Area	% of prepaid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
Haryana	97.12	96	20	188	178	366
Kerala	96.57	155	24	198	231	429
MP	98.03	90	19	149	151	301
Punjab	94.23	115	40	200	196	397
Rajasthan	98.14	100	13	156	174	330
UP(E)	98.83	90	12	156	220	376
UP(W)	98.21	89	19	165	183	349
WB	99.23	80	13	151	188	338

Category: Circle C

Service Area	% of prepaid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
Assam	96.01	122	34	211	227	438
Bihar	99.43	90	8	157	240	396
HP	98.17	101	22	202	211	413
J&K	92.04	173	1	324	292	616
NE	97.13	126	70	204	197	401
Orissa	98.90	85	12	178	213	391

Category: Metro

Service Area	% of prepaid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
Kolkata	93.54	103	29	206	210	416
Delhi	87.25	160	36	240	196	436
Mumbai	84.77	158	44	275	198	473

Annexure 2.2: CDMA Full Mobility Service - Service Area wise Statistics for QE Sep-13

Category A

Service Area	% of Prepaid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
MH	89%	122	22	143	123	267
Gujarat	83%	107	34	125	96	221
TN (incl. Chennai)	82%	137	17	147	102	249
Karnataka	88%	111	10	125	116	241
AP	87%	116	21	139	131	269

Category B

Service Area	% of Prepaid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
WB	99%	59	6	142	162	304
Rajasthan	95%	70	13	192	158	350
UP(E)	96%	57	16	85	98	183
MP	95%	67	14	110	130	240
Kerala	87%	86	10	97	76	173
UP(W)	95%	63	18	96	112	208
Haryana	91%	76	18	159	130	290
Punjab	80%	123	17	168	104	272

Category C

Service Area	% of Prepaid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
Orissa	92%	80	9	118	152	270
Bihar	97%	70	10	110	162	272
HP	87%	118	8	129	116	245
J&K	63%	108	22	123	107	230
North East			NA			
Assam			NA			

Category Metro

Service Area	% of Prepaid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
Kolkata	90%	96	9	150	154	305
Delhi	86%	129	22	188	132	304
Mumbai	81%	141	26	127	98	213

Annexure 4.1: Performance of QoS Parameters for Cellular Mobile 2G Service

Name of Service Area		Name of Service Provider	Performance Monitoring Report on Quality of Service of Cellular Mobile Service Providers for quarter ending, September , 2013															
			Network Related Parameters						Customer Service Quality Parameters									
			Network Availability		Connection Establishment (Accessibility)		Connection Maintenance (Retainability)		POI		Metering and Billing		Response time to the customer for assistance					
			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)	SPCH/ 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 (No. of PoIs not meeting the benchmark) (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 resolution of complaints			
AP	Aircel	0.05	0.00	98.84	0.06	0.29	1.00	1.97	97.56	0	0.00	0.00	100.00	100.00	83.62	99.38	100.00	
	Airtel	0.01	0.00	99.45	0.06	0.06	0.44	0.61	99.05	0	0.02	0.00	100.00	100.00	94.00	100.00	100.00	
	BSNL	1.67	1.90	98.00	0.47	1.83	0.80	2.23	96.67	0	0.00	0.00	100.00	100.00	96.00	51.00	100.00	
	Idea	0.02	0.00	99.97	0.56	0.44	0.80	2.41	96	0	0.07	0.00	100.00	99.52	99.55	94.22	100.00	
	RCom CDMA	0.13	0.20	99.09	0.00	0.02	0.05	0.18	99.69	0	0.09	0.04	100.00	100.00	98.67	84.56	100.00	
	RCom GSM	0.18	0.63	99.71	0.03	0.05	0.38	0.16	98.86	0	0.09	0.10	100.00	100.00	98.71	78.90	100.00	
	TATA CDMA	0.03	0.00	99.28	0.00	0.02	0.33	0.68	98.75	0	0.00	0.00	100.00	100.00	99.31	94.00	100.00	
	TATA GSM	0.07	0.27	98.50	0.04	0.31	0.72	2.55	98.08	0	0.00	0.00	100.00	100.00	99.48	84.00	100.00	
	Uninor	0.13	0.93	98.94	0.15	0.17	1.35	1.61	97.85	0	NA	0.00	100.00	NA	96.30	83.09	NA	NA
	Vodafone	0.05	0.26	99.73	0.06	0.27	0.58	2.28	98.81	0	0.09	0.21	100.00	100.00	100.00	97.51	100.00	100.00
ASM	Aircel	0.64	4.80	96.03	0.67	1.57	1.03	4.98	94.82	0	0.05	0.06	100.00	100.00	81.40	100.00	100.00	
	Airtel	0.17	0.28	98.73	0.14	0.61	1.14	1.12	98.56	0	0.00	0.01	100.00	100.00	94.00	100.00	100.00	
	BSNL	1.93	1.87	97.00	0.80	1.70	1.80	3.00	96.30	0	0.00	0.00	100.00	100.00	91.00	78.50	100.00	
	Idea	1.10	0.71	98.83	0.04	0.75	1.26	2.29	96	0	0.00	0.00	100.00	100.00	97.42	97.94	100.00	
	RTL	0.40	1.76	98.56	0.03	0.13	0.63	0.24	98.37	0	0.10	0.10	100.00	100.00	98.98	84.39	100.00	
	Vodafone	1.50	1.94	99.23	0.26	0.77	0.78	2.77	98	0	0.08	0.04	100.00	100.00	99.91	97.05	100.00	
BH	Aircel	1.17	2.72	96.20	0.40	0.99	0.47	2.76	95.06	0	0.01	0.02	100.00	100.00	100.00	94.66	100.00	100.00
	Airtel	0.11	0.33	99.00	0.13	0.19	0.51	1.28	99.28	0	0.01	0.01	100.00	100.00	100.00	95.00	100.00	100.00
	BSNL	1.55	1.92	97.00	0.45	1.07	1.63	2.47	95.77	0	0.00	0.05	100.00	100.00	98.00	98.50	100.00	100.00
	Idea	0.85	1.72	97.73	0.50	1.24	1.42	2.75	97	0	0.01	0.00	100.00	100.00	99.59	99.88	100.00	100.00
	RCom CDMA	0.35	1.32	97.93	0.00	0.01	0.09	0.40	99.80	0	0.10	0.10	100.00	100.00	99.00	87.96	100.00	100.00
	RTL	0.10	0.49	96.64	0.08	0.06	0.47	0.30	97.86	0	0.09	0.10	100.00	100.00	98.48	85.07	100.00	100.00
	TATA CDMA	0.08	0.05	98.72	0.00	0.06	0.50	2.66	99.05	0	0.00	0.00	100.00	100.00	98.75	97.00	100.00	100.00
	TATA GSM	0.01	0.04	98.98	0.11	0.08	0.53	0.60	97.99	0	0.00	0.00	100.00	100.00	96.11	96.00	100.00	100.00
	Uninor	0.18	0.29	97.03	0.40	1.81	1.25	1.68	95.61	0	NA	0.00	100.00	NA	96.73	95.00	NA	NA
	Vodafone	0.62	1.80	99.39	0.19	0.61	0.85	2.43	97.51	0	0.03	0.06	100.00	100.00	100.00	98.55	100.00	100.00
CHN	Aircel	0.54	3.04	98.13	0.20	0.91	0.58	0.77	98.16	0	0.01	0.00	100.00	100.00	91.86	100.00	100.00	
	Airtel	0.02	0.00	99.92	0.02	0.01	0.15	0.10	99.74	0	0.02	0.01	99.89	100.00	100.00	93.00	100.00	100.00
	BSNL	0.33	1.37	100.00	0.30	0.50	0.80	1.30	99.57	0	0.10	0.10	100.00	100.00	100.00	99.50	100.00	100.00
	Idea	0.01	0.00	99.51	0.08	0.13	0.71	0.50	96.86	0	Incl. In TN					98.87	82.94	100.00
	RCom CDMA	Incl. In TN									0.10	0.02	100.00	100.00	incl. In TN			
	RCom GSM	Incl. In TN									Incl. In TN					Incl. In TN		
	TATA CDMA	0.03	0.00	99.27	0.00	0.03	0.21	0.74	98.81	0	Incl. In TN					Incl. In TN		
	TATA GSM	0.05	0.02	98.18	0.03	0.03	0.92	0.87	98.35	0	Incl. In TN					Incl. In TN		
	Vodafone	0.02	0.05	99.48	0.07	0.52	0.54	0.85	98.69	0	0.05	0.03	100.00	100.00	96.41	100.00	100.00	100.00

Annexure 4.1 (Contd.)

	Aircel	0.44	3.07	96.57	0.30	0.80	1.24	3.56	97.22	0	0.02	0.01	100.00	100.00	100.00	83.50	99.93	46.00
DL	Airtel	0.02	0.00	99.85	0.04	0.06	0.64	0.85	99.12	0	0.03	0.04	100.00	100.00	93.00	100.00	100.00	100.00
	Idea	0.01	0.00	99.97	0.49	0.84	0.68	1.70	98.26	0	0.06	0.02	100.00	100.00	99.50	92.84	100.00	100.00
	MTNL CDMA	1.67	1.05	98.55	0.31	0.30	1.63	1.05	99.00	0	0.02	0.00	100.00	100.00	95.40	95.40	100.00	100.00
	MTNL GSM	0.32	1.43	96.70	0.32	1.77	1.72	2.67	97.44	0	0.04	0.01	100.00	100.00	96.82	97.82	100.00	100.00
	MTS	0.08	0.15	99.41	0.00	1.34	0.73	1.94	99.96	0	0.07	0.06	100.00	100.00	99.34	71.79	100.00	100.00
	RCOM CDMA	0.11	0.00	98.11	0.00	0.02	0.56	0.42	99.79	0	0.10	0.08	100.00	100.00	98.48	84.43	100.00	100.00
	RCOM GSM	0.24	0.23	99.40	0.05	0.07	0.49	0.22	98.76	0	0.10	0.10	100.00	100.00	98.82	58.36	100.00	100.00
	TATA CDMA	0.02	0.00	99.08	0.00	0.05	0.73	0.75	97.69	0	0.00	0.00	100.00	100.00	99.27	93.00	100.00	100.00
	Vodafone	0.03	0.00	99.26	0.13	0.40	0.95	1.88	97.35	0	0.07	0.06	100.00	100.00	100.00	99.10	100.00	100.00
	Aircel	0.09	0.07	99.39	0.05	0.01	0.55	2.79	98.53	0	0.00	0.00	100.00	100.00	95.75	100.00	100.00	100.00
GJ	Airtel	0.08	0.20	99.61	0.06	0.38	0.82	0.42	97.27	0	0.01	0.00	100.00	100.00	92.00	100.00	100.00	100.00
	BSNL	1.70	1.90	99.00	0.17	1.43	1.63	1.50	100.00	0	0.03	0.00	100.00	100.00	NR	NR	100.00	100.00
	Idea	0.10	0.19	99.30	0.35	0.32	1.13	1.43	95.43	0	0.06	0.02	100.00	100.00	97.95	99.43	100.00	100.00
	MTS	0.04	0.00	99.65	0.00	0.01	0.37	2.35	98.80	0	0.03	0.00	100.00	100.00	95.00	98.46	100.00	100.00
	RCOM CDMA	0.18	0.24	99.23	0.00	0.00	0.03	0.13	99.86	0	0.10	0.10	100.00	100.00	98.75	95.32	100.00	100.00
	RCOM GSM	0.16	0.16	99.52	0.01	0.12	0.43	0.12	98.61	0	0.09	0.10	100.00	100.00	98.90	64.31	100.00	100.00
	TATA CDMA	0.00	0.00	98.30	0.00	0.40	1.07	1.34	99.72	0	0.00	0.00	100.00	100.00	96.04	92.00	100.00	100.00
	TATA GSM	0.00	0.00	98.32	0.02	0.01	0.90	2.37	98.38	0	0.00	0.00	100.00	100.00	98.97	87.00	100.00	100.00
	Uninor	0.12	0.62	97.30	0.14	0.63	1.55	1.22	98.13	0	NA	0.04	100.00	NA	96.56	95.22	NA	NA
	Videocon	0.09	0.11	99.19	0.03	0.07	0.50	0.98	98.90	0	NA	0.03	100.00	100.00	99.25	92.41	NA	NA
	Vodafone	0.06	0.23	99.74	0.06	0.26	0.80	0.61	97.36	0	0.06	0.01	100.00	100.00	96.89	100.00	96.89	100.00
HP	Aircel	0.43	1.82	98.34	0.04	0.49	0.75	2.18	95.06	0	0.01	0.00	100.00	100.00	100.00	68.14	100.00	100.00
	Airtel	0.01	0.00	99.16	0.10	0.13	0.80	2.43	98.34	0	0.02	0.01	100.00	100.00	99.00	94.00	100.00	100.00
	BSNL	1.87	1.90	96.00	0.87	1.83	1.87	2.93	96.23	0	0.00	0.00	100.00	100.00	100.00	96.90	100.00	100.00
	Idea	0.27	0.00	98.67	0.10	0.73	1.11	2.57	95.27	0	0.00	0.02	100.00	100.00	98.41	98.58	100.00	100.00
	RCOM CDMA	0.14	0.00	99.14	0.00	0.01	0.06	0.42	99.77	0	0.09	0.05	100.00	100.00	98.22	80.53	100.00	100.00
	RTL	0.21	0.59	98.85	0.05	0.11	0.53	0.12	98.52	0	0.07	0.10	100.00	100.00	98.98	71.84	100.00	100.00
	TATA CDMA	0.01	0.00	98.36	0.00	0.21	0.24	0.00	97.31	0	0.00	0.00	100.00	100.00	96.30	96.00	100.00	100.00
	TATA GSM	0.00	0.00	97.21	0.00	1.59	1.98	0.00	97.42	0	0.00	0.00	100.00	100.00	99.31	95.00	100.00	100.00
	Vodafone	0.04	0.00	97.58	0.04	0.25	0.75	2.08	97.69	0	0.02	0.00	100.00	100.00	100.00	99.90	100.00	100.00
HR	Aircel	0.45	1.19	96.62	0.09	0.03	1.72	5.95	98.79	0	0.00	0.00	100.00	100.00	93.34	100.00	100.00	100.00
	Airtel	0.08	0.06	99.10	0.27	0.18	0.37	1.22	99.07	0	0.05	0.03	100.00	100.00	93.00	100.00	100.00	100.00
	BSNL	1.63	1.47	97.67	0.20	0.67	1.30	2.17	97.33	0	0.10	0.10	100.00	100.00	91.00	100.00	100.00	100.00
	Idea	0.01	0.00	99.97	0.44	0.31	0.74	2.64	97.89	0	0.09	0.07	100.00	100.00	100.00	95.41	100.00	100.00
	RCOM CDMA	0.12	0.04	98.97	0.00	0.02	0.02	0.27	99.74	0	0.09	0.04	100.00	100.00	98.54	51.40	100.00	100.00
	RCOM GSM	0.11	0.06	99.35	0.02	0.07	0.45	0.16	98.77	0	0.08	0.10	100.00	100.00	98.89	83.55	100.00	100.00
	TATA CDMA	0.05	0.07	97.40	0.00	1.01	0.47	1.12	99.15	0	0.00	0.00	100.00	100.00	96.65	97.00	100.00	100.00
	TATA GSM	0.06	0.23	97.95	0.13	0.97	0.65	0.64	97.68	0	0.00	0.00	100.00	100.00	99.27	90.00	100.00	100.00
	Videocon	0.22	0.51	98.20	0.22	0.17	0.72	1.67	98.22	0	NA	0.01	100.00	100.00	95.81	91.85	NA	NA
	Vodafone	0.07	0.33	99.75	0.10	0.25	0.80	0.63	97.59	0	0.02	0.00	100.00	100.00	100.00	98.59	100.00	100.00
J&K	Aircel	0.46	1.96	95.22	0.48	1.94	0.72	2.95	95.13	0	0.00	0.00	100.00	100.00	94.49	100.00	100.00	100.00
	Airtel	0.08	0.13	98.61	0.23	0.22	0.72	1.12	98.35	0	0.02	0.02	100.00	100.00	91.00	100.00	100.00	100.00
	BSNL	1.77	1.87	98.33	0.50	1.10	1.07	2.77	98.00	0	0.10	0.00	100.00	100.00	100.00	91.00	100.00	100.00
	Idea	0.39	1.75	99.49	0.06	0.17	1.16	2.94	95.47	0	0.00	0.04	100.00	100.00	95.89	95.86	100.00	100.00
	RCOM GSM	0.18	0.67	99.58	0.01	0.07	0.47	0.27	98.49	0	0.09	0.10	100.00	100.00	98.92	91.64	100.00	100.00
	Vodafone	0.07	0.49	98.36	0.02	0.37	0.64	2.66	98.26	0	0.06	0.02	100.00	100.00	100.00	98.99	100.00	100.00

Annexure 4.1 (Contd.)

MBI	Aircel	0.06	0.07	97.90	0.14	0.21	0.95	1.83	97.82	0	0.00	0.01	100.00	100.00	100.00	81.04	100.00	100.00
	Airtel	0.00	0.00	99.99	0.00	0.00	0.31	0.00	99.97	0	0.02	0.01	100.00	100.00	100.00	92.00	100.00	100.00
	Idea	0.09	0.26	98.82	0.32	1.07	1.87	2.83	98.63	0	0.07	0.01	100.00	100.00	99.93	95.33	100.00	100.00
	Loop Mobile	0.01	0.00	99.17	0.03	0.03	0.62	0.81	97.86	0	0.01	0.01	100.00	100.00	99.41	98.93	100.00	100.00
	MTNL CDMA	0.03	0.54	98.32	0.74	0.01	1.27	1.28	97.50	0	0.01	0.01	100.00	100.00	98.10	59.40	100.00	100.00
	MTNL GSM	0.74	1.47	97.76	0.17	0.04	1.32	2.03	96.74	0	0.08	0.01	100.00	100.00	95.79	95.52	100.00	100.00
	RCOM CDMA	0.19	0.30	98.91	0.00	0.01	0.43	0.20	99.75	0	0.10	0.04	100.00	100.00	99.22	80.67	100.00	100.00
	RCOM GSM	0.19	0.36	99.66	0.03	0.06	0.42	0.08	99.11	0	0.10	0.10	100.00	100.00	99.09	78.48	100.00	100.00
	TATA CDMA	0.03	0.24	98.92	0.00	0.03	0.94	1.01	97.98	0	0.00	0.00	100.00	100.00	99.57	90.00	100.00	100.00
	TATA GSM	0.02	0.00	99.51	0.06	0.15	0.91	1.86	97.70	0	0.00	0.00	100.00	100.00	99.48	91.00	100.00	100.00
NE	Vodafone	0.00	0.00	99.34	0.06	0.66	0.97	2.84	97.13	0	0.07	0.02	100.00	100.00	99.85	94.37	100.00	100.00
	Aircel	0.60	5.09	95.81	0.78	1.78	0.88	4.59	94.99	0	0.02	0.12	100.00	100.00	100.00	88.93	100.00	100.00
	Airtel	0.34	0.75	98.23	0.22	0.42	1.13	1.03	98.82	0	0.01	0.02	100.00	100.00	100.00	94.00	100.00	100.00
	BSNL	1.48	4.05	96.83	1.00	1.95	1.68	2.83	96.55	0	0.05	0.05	100.00	100.00	80.00	71.55	100.00	100.00
	Idea	1.82	1.59	96.65	0.33	1.13	1.15	2.62	95.26	0	0.00	0.00	100.00	100.00	97.91	98.07	100.00	100.00
	RTL	0.34	1.75	98.40	0.03	0.38	0.61	0.46	98.43	0	0.07	0.09	100.00	100.00	98.55	81.33	100.00	100.00
OR	Vodafone	1.84	1.86	99.19	0.34	0.81	1.08	2.81	97.58	0	0.03	0.03	100.00	100.00	99.99	96.09	100.00	100.00
	Aircel	0.08	0.46	97.72	0.35	0.65	0.99	2.91	95.28	0	0.01	0.00	100.00	100.00	100.00	94.79	100.00	100.00
	Airtel	0.21	1.38	99.03	0.24	0.44	0.86	0.71	97.80	0	0.00	0.01	100.00	100.00	100.00	97.00	100.00	100.00
	BSNL	0.80	0.33	98.00	0.90	1.77	1.90	2.90	98.00	0	0.00	0.00	100.00	100.00	98.00	91.40	100.00	100.00
	Idea	0.18	0.58	99.68	0.14	0.06	0.44	1.31	96.74	0	0.01	0.00	100.00	100.00	98.61	99.88	100.00	100.00
	RCOM CDMA	0.26	0.18	99.39	0.00	0.00	0.06	0.79	99.75	0	0.09	0.07	100.00	100.00	98.51	94.83	100.00	100.00
	RTL	0.05	0.05	98.42	0.09	0.48	0.54	0.36	98.28	0	0.09	0.10	100.00	100.00	98.89	85.77	100.00	100.00
	TATA CDMA	0.04	0.00	98.62	0.00	0.01	0.63	1.20	98.83	0	0.00	0.00	100.00	100.00	99.90	97.00	100.00	100.00
	TATA GSM	0.06	0.19	99.27	0.03	0.16	0.46	0.32	97.92	0	0.00	0.00	100.00	100.00	96.14	95.00	100.00	100.00
	Vodafone	0.10	0.22	99.28	0.14	0.72	0.86	2.17	98.37	0	0.22	0.09	100.00	100.00	99.99	97.49	100.00	100.00
PB	Aircel	0.18	1.00	97.34	0.19	0.70	1.04	2.61	97.47	0	0.00	0.00	100.00	100.00	100.00	90.81	100.00	100.00
	Airtel	0.08	0.07	99.16	0.15	0.18	0.53	1.07	98.32	0	0.04	0.01	100.00	100.00	93.00	93.00	100.00	100.00
	BSNL	0.30	1.47	97.67	1.00	1.57	2.00	2.93	95.53	0	0.00	0.00	100.00	100.00	91.00	100.00	100.00	100.00
	Idea	0.09	0.08	98.19	0.15	0.32	0.75	1.19	96.94	0	0.04	0.01	100.00	100.00	99.93	98.05	100.00	100.00
	QTL CDMA	0.53	0.00	98.25	0.69	1.06	1.39	0.58	97.58	0	0.00	0.00	100.00	100.00	100.00	94.00	100.00	100.00
	QTL GSM	0.11	0.10	97.70	0.25	0.29	1.11	1.77	97.75	0	0.00	0.00	100.00	100.00	96.46	91.22	NA	NA
	RCOM CDMA	0.11	0.04	99.03	0.00	0.00	0.00	0.35	99.69	0	0.09	0.04	100.00	100.00	98.63	81.25	100.00	100.00
	RCOM GSM	0.09	0.02	99.51	0.01	0.05	0.41	0.15	98.92	0	0.09	0.10	100.00	100.00	98.96	75.89	100.00	100.00
	TATA CDMA	0.03	0.00	98.78	0.00	0.15	0.75	0.46	98.28	0	0.00	0.00	100.00	100.00	96.91	94.00	100.00	100.00
	TATA GSM	0.09	0.04	99.10	0.02	0.05	0.64	1.58	97.43	0	0.00	0.00	100.00	100.00	99.20	88.00	100.00	100.00
RAJ	Vodafone	0.07	0.28	99.79	0.04	0.21	0.70	1.68	98.00	0	0.12	0.00	100.00	100.00	100.00	99.48	100.00	100.00
	Aircel	0.08	0.45	95.94	0.20	0.78	1.00	1.62	97.06	0	0.00	0.00	100.00	100.00	100.00	79.85	100.00	100.00
	Airtel	0.12	0.25	98.76	0.26	0.42	0.99	1.92	98.84	0	0.01	0.01	100.00	100.00	93.00	93.00	100.00	100.00
	BSNL	1.93	1.93	99.00	0.37	1.30	1.77	2.93	98.33	0	0.00	0.10	100.00	100.00	99.00	93.00	100.00	100.00
	Idea	0.15	0.14	98.59	0.49	0.71	1.57	2.71	95.25	0	0.12	0.03	100.00	100.00	99.38	98.69	100.00	100.00
	MTS	0.11	0.00	98.86	0.00	0.36	0.74	1.32	98.74	0	0.08	0.06	100.00	100.00	99.60	66.60	100.00	100.00
	RCOM CDMA	0.35	0.84	99.06	0.00	0.00	0.05	0.41	99.71	0	0.10	0.05	100.00	100.00	98.79	92.57	100.00	100.00
	RCOM GSM	0.25	0.61	99.60	0.04	0.07	0.37	0.18	98.71	0	0.09	0.10	100.00	100.00	99.00	80.71	100.00	100.00
	TATA CDMA	0.07	0.00	98.37	0.00	0.54	0.84	2.88	99.68	0	0.00	0.00	100.00	100.00	98.56	93.00	100.00	100.00
RAJ	TATA GSM	0.04	0.00	98.53	0.03	0.04	0.73	1.41	98.57	0	0.00	0.00	100.00	100.00	99.31	90.00	100.00	100.00
	Vodafone	0.41	1.77	99.80	0.14	0.20	0.91	0.80	96.95	0	0.09	0.05	100.00	100.00	100.00	98.41	100.00	100.00

Annexure 4.1 (Contd.)

TN	Aircel	0.30	0.94	97.65	0.51	0.74	0.52	1.28	95.06	0	0.00	0.00	100.00	100.00	100.00	89.62	100.00	100.00
	Airtel	0.01	0.01	99.81	0.07	0.04	0.18	0.16	99.68	0	0.02	0.00	100.00	100.00	100.00	93.00	100.00	100.00
	BSNL	0.47	1.57	98.33	0.10	0.20	0.57	1.47	99.00	0	0.10	0.00	100.00	100.00	100.00	98.00	100.00	100.00
	Idea	0.02	0.00	99.64	0.06	0.11	0.50	0.46	97.08	0	0.05	0.04	100.00	100.00	100.00	99.47	99.55	100.00
	MTS	0.05	0.00	99.39	0.00	0.07	0.44	0.07	98.25	0	0.00	0.01	100.00	100.00	100.00	99.90	90.48	NA
	RCOM CDMA	0.22	0.21	99.26	0.00	0.00	0.01	0.19	99.77	0	0.10	0.02	100.00	100.00	100.00	97.20	82.94	100.00
	RCOM GSM	0.21	0.17	99.71	0.03	0.05	0.37	0.06	99.02	0	0.10	0.10	100.00	100.00	100.00	98.56	74.57	100.00
	TATA CDMA	0.02	0.00	99.02	0.00	0.03	0.72	2.24	99.28	0	0.00	0.00	100.00	100.00	100.00	99.37	94.00	100.00
	TATA GSM	0.05	0.05	98.82	0.02	0.02	0.53	0.63	98.55	0	0.00	0.00	100.00	100.00	100.00	99.35	82.00	100.00
	Vodafone	0.05	0.30	99.71	0.11	0.29	0.69	1.06	97.77	0	0.05	0.01	100.00	100.00	100.00	90.55	100.00	100.00
UPE	Aircel	0.33	1.70	95.93	0.85	0.49	0.59	1.21	95.93	0	0.07	0.05	100.00	100.00	100.00	90.38	98.32	100.00
	Airtel	1.02	1.00	99.47	0.07	0.32	0.86	2.75	98.63	0	0.01	0.02	100.00	100.00	100.00	96.00	100.00	100.00
	BSNL	1.07	1.57	97.00	0.70	1.57	1.47	2.60	97.17	0	0.07	0.06	100.00	100.00	100.00	96.00	NR	100.00
	Idea	0.18	0.83	98.61	0.71	1.58	1.23	2.89	96.28	0	0.08	0.01	100.00	100.00	100.00	99.86	98.97	100.00
	RCOM CDMA	0.39	1.10	97.52	0.00	0.03	0.07	0.40	99.72	0	0.10	0.10	100.00	100.00	100.00	97.25	86.69	100.00
	RCOM GSM	0.30	0.82	99.28	0.05	0.07	0.42	0.19	98.67	0	0.09	0.10	100.00	100.00	100.00	98.76	89.57	100.00
	TATA CDMA	0.05	0.00	98.75	0.00	0.09	0.46	2.98	98.65	0	0.00	0.00	100.00	100.00	100.00	99.42	96.00	100.00
	TATA GSM	0.01	0.00	97.37	0.15	1.22	0.93	2.04	97.39	0	0.00	0.00	100.00	100.00	100.00	99.33	92.00	100.00
UPW	Uninor	0.38	1.13	95.53	0.77	1.92	1.69	2.49	95.47	0	NA	0.01	100.00	NA	96.26	97.40	NA	NA
	Vodafone	0.77	1.87	99.50	0.21	0.50	1.34	2.37	95.98	0	0.09	0.05	100.00	100.00	100.00	93.57	100.00	100.00
	Aircel	0.27	0.96	98.81	0.11	0.22	0.62	2.81	97.53	0	0.00	0.00	100.00	100.00	100.00	95.38	100.00	100.00
	Airtel	0.16	0.09	98.11	0.38	0.84	1.10	1.31	97.72	0	0.02	0.02	100.00	100.00	100.00	94.00	100.00	100.00
	BSNL	0.81	1.93	96.94	0.87	1.30	1.86	2.78	96.28	0	0.00	0.00	100.00	100.00	100.00	94.05	100.00	100.00
	Idea	0.07	0.20	99.87	0.58	0.84	1.00	2.74	99.81	0	0.05	0.01	100.00	100.00	100.00	99.46	96.15	100.00
	MTS	0.18	0.00	99.33	0.00	0.00	0.64	1.48	99.17	0	0.08	0.06	100.00	100.00	100.00	93.48	100.00	NA
	RCOM CDMA	0.31	0.68	97.81	0.00	0.03	0.08	0.52	99.78	0	0.10	0.10	100.00	100.00	100.00	97.84	92.83	100.00
	RCOM GSM	0.28	0.78	99.52	0.06	0.06	0.37	0.24	98.85	0	0.09	0.10	100.00	100.00	100.00	98.89	85.20	100.00
	TATA CDMA	0.01	0.00	99.01	0.00	0.11	0.69	0.61	98.01	0	0.00	0.00	100.00	100.00	100.00	99.12	96.00	100.00
	TATA GSM	0.09	0.25	98.61	0.07	0.27	0.83	2.26	97.80	0	0.00	0.00	100.00	100.00	100.00	99.43	93.00	100.00
WB	Uninor	0.22	1.05	96.16	0.66	1.94	1.26	2.07	95.50	0	NA	0.02	100.00	NA	96.63	97.19	NA	NA
	Vodafone	0.38	1.93	99.25	0.15	0.75	0.87	1.47	97.22	0	0.09	0.00	100.00	100.00	100.00	95.63	99.93	100.00

Note: NA : Not Applicable

NR : Not Reported

RCOM CDMA & RCOM GSM :

CN included in TN for Network Related parameters only

RCOM GSM :

% of calls answered by the operators has been reported combined for TN and CH for customer related parameters only.

RCOM CDMA :

% of calls answered by the operators has been reported combined for TN and CH for customer related parameters only.

% of calls answered by the operators has been reported combined for WB and KOL for customer related parameters only.

Annexure 4.2: Performance of QoS Parameters for Cellular Mobile 3G Service

Performance Monitoring Report on Quality of Service of Cellular Mobile (3G) Service Providers for quarter ending, September , 2013										POI Point of Interconnection (POI) Congestion	
Name of the Service Provider	Name of Service Area / City	Network Availability		Connection Establishment (Accessibility)			Connection Maintenance (Retainability)				
		Node-B's Accumulated downtime (not available for service) (%)age	Worst affected Node-B's due to downtime (%)age	Call Set-up Success Rate (within licensee's own network)	SDCCH/Paging Channel and RRC Congestion (%)age	TCH and Circuit Switched RAB Congestion (%)age	Call Drop and Circuit Switched Voice Drop Rate: (%)age	Worst affected cells having more than 3% TCH drop (call drop) and Circuit Switched Voice Drop Rate::CBBH	Connections with good voice quality and Circuit Switch Voice Quality (CSV quality)		
		1	2	3	4	5	6	7	8	9	10
	Benchmark	≤ 2%	≤ 2%	≥ 95%	≤ 1%	≤ 2%	≤ 2%	≤ 3%	≥ 95%	≤ 0.5%	
AP	Aircel	0.07	0.00	99.29	0.28	0.30	0.59	2.40	99.76	0	
	Airtel	0.08	0.08	99.06	0.15	0.00	0.58	1.85	99.14	0	
	Idea	0.01	0.00	99.60	0.10	0.37	0.41	0.48	98.77	0	
ASM	Aircel	0.34	1.86	98.39	0.15	0.13	1.12	4.35	99.46	0	
	Airtel	0.29	1.07	98.78	0.54	0.14	0.69	1.39	99.15	0	
	RTL	1.01	1.49	97.22	0.11	0.01	0.84	1.93	99.85	0	
BH	Aircel	1.29	3.30	98.15	0.72	0.14	1.40	16.32	99.12	0	
	Airtel	0.01	0.42	99.52	0.03	0.20	0.48	0.17	99.63	0	
	RTL	0.98	1.00	96.55	0.11	0.48	0.75	2.46	99.84	0	
CHN	Aircel	0.90	4.39	98.57	0.30	0.29	1.13	6.38	98.31	0	
	Airtel	0.09	0.05	99.72	0.01	0.07	0.27	0.37	99.69	0	
	Vodafone	0.03	0.15	99.83	0.02	0.00	0.34	1.03	99.07	0	
DEL	Vodafone	0.05	0.00	97.77	0.01	0.00	0.90	2.78	99.09	0	
	Airtel	0.18	0.97	98.45	0.24	0.10	0.73	2.74	99.09	0	
	MTNL	0.47	1.40	96.57	0.57	1.67	1.60	2.20	96.30	0	
	RCOM	0.69	1.68	98.89	0.19	0.19	0.84	2.27	99.76	0	
GJ	Idea	0.09	0.21	99.87	0.04	0.02	0.51	0.80	99.14	0	
	Tata	0.00	0.00	98.87	0.10	0.57	0.78	1.41	99.76	0	
	Vodafone	0.03	0.02	99.84	0.04	0.01	0.24	0.12	99.09	0	
HP	Airtel	0.07	0.00	99.05	0.00	0.00	0.89	2.35	99.10	0	
	Idea	0.79	0.00	99.55	0.72	0.24	1.23	2.46	98.96	0	
	RTL	0.64	0.78	97.74	0.00	0.00	0.65	1.80	99.89	0	
HR	Idea	0.01	0.00	99.81	0.03	0.00	0.31	2.09	99.01	0	
	Tata	0.05	0.10	99.63	0.14	0.15	0.27	0.06	99.28	0	
	Vodafone	0.24	0.76	99.88	0.02	0.00	0.34	0.78	99.05	0	
J&K	Aircel	0.31	1.33	98.76	0.33	0.09	1.63	2.15	99.03	0	
	Airtel	0.22	0.53	98.48	0.21	0.00	1.30	1.98	98.85	0	
	RCOM	0.70	1.37	99.55	0.01	0.02	1.20	2.26	99.73	0	
	Idea	0.39	1.49	99.79	0.07	0.02	1.01	2.14	99.09	0	
KOL	Aircel	0.40	1.67	99.15	0.18	0.03	0.28	1.34	99.05	1	
	RTL	0.32	1.28	97.20	0.45	0.00	1.37	2.22	99.86	0	
	Vodafone	0.05	0.05	99.77	0.07	0.05	0.55	1.00	99.06	0	
KR	Aircel	0.00	0.00	99.74	0.00	0.00	0.07	0.04	99.96	0	
	Idea	0.07	0.11	99.79	0.56	0.13	0.19	1.79	99.66	0	
	Tata	0.01	0.00	99.61	0.02	0.07	0.38	0.70	99.81	0	

Annexure 4.2 (Contd.)

KTK	Aircel	0.18	0.03	99.05	0.53	0.42	0.70	2.43	99.73	0
	Airtel	0.03	0.04	99.02	0.04	0.16	0.36	0.55	99.74	0
	Tata	0.06	0.13	99.43	0.43	0.21	0.44	0.85	99.20	0
MBI	Airtel	0.02	0.00	99.97	0.00	0.00	0.19	0.36	99.90	0
	MTNL	0.80	1.80	98.70	0.00	0.30	1.43	2.50	99.11	0
	RCOM	0.57	1.77	98.49	0.15	0.26	0.93	1.93	99.76	0
	Vodafone	0.01	0.00	99.58	0.00	0.00	0.66	2.05	99.07	0
MH	Idea	0.12	0.30	99.77	0.13	0.05	1.02	2.88	98.75	0
	Tata	0.01	0.00	98.40	0.09	0.37	0.21	2.84	100.00	0
	Vodafone	0.12	0.30	99.74	0.10	0.02	0.47	1.28	99.06	0
MP	Idea	0.08	0.18	99.83	0.07	0.04	0.62	1.72	99.21	0
	RTL	0.62	1.54	97.16	0.41	0.01	0.72	2.45	99.83	0
	Tata	0.00	0.00	99.60	0.05	0.02	0.87	2.68	99.82	0
NE	Aircel	0.50	1.73	97.97	0.10	0.01	1.24	7.42	99.17	0
	Airtel	1.39	1.30	96.72	0.39	1.02	1.41	1.17	99.13	0
	RTL	1.28	1.66	96.79	0.00	0.28	1.42	2.49	99.80	0
OR	Aircel	0.10	0.69	98.48	0.28	0.06	0.95	13.26	99.45	0
	RTL	0.53	1.58	97.69	0.11	0.00	0.56	2.25	99.86	0
PB	Aircel	0.23	0.98	98.96	0.21	0.00	0.82	20.99	97.24	0
	RCOM	0.14	0.34	98.39	0.23	0.31	0.86	2.17	99.77	0
	Tata	0.10	0.07	99.70	0.16	0.04	0.39	0.60	99.19	0
RAJ	Airtel	0.10	0.23	99.41	0.13	0.11	0.69	2.47	99.12	0
	RCOM	0.34	1.14	98.97	0.22	0.19	0.37	1.92	99.75	0
	Tata	0.01	0.00	99.75	0.00	0.00	0.79	1.87	99.78	0
TN	Aircel	0.35	0.69	98.37	0.55	0.72	1.04	7.07	98.46	0
	Airtel	0.03	0.01	99.82	0.12	0.06	0.18	0.22	99.73	0
	Vodafone	0.06	0.20	99.86	0.00	0.00	0.29	0.95	99.14	0
UPE	Aircel	0.46	1.78	99.05	0.08	0.00	0.99	4.65	99.60	0
	Idea	0.65	0.83	99.65	0.05	0.00	0.30	2.88	98.92	0
	Vodafone	0.18	0.84	99.90	0.00	0.00	0.24	0.58	99.10	0
UPW	Airtel	0.29	0.87	99.18	0.09	0.00	0.97	1.54	99.03	0
	Idea	0.28	1.58	99.56	0.24	0.10	0.25	2.51	99.19	0
	Tata	0.09	0.42	99.65	0.22	0.05	0.34	0.76	99.29	0
WB	Aircel	0.58	2.54	98.09	0.13	0.00	0.66	8.61	99.07	0
	Airtel	0.23	0.98	99.60	0.03	0.34	0.48	2.80	99.62	0
	RTL	0.71	1.48	96.96	0.35	0.11	0.98	2.50	99.85	0
	Vodafone	0.05	0.19	99.88	0.00	0.01	0.31	1.55	99.04	0

Annexure 4.3: Performance of QoS Parameters for Basic (Wire-line) Service

Sl. No.	Name of Service Area	Name of Service Provider	Faults incidents (No. of faults/100 Subs./month)	Performance Monitoring Report of Basic Service (Wireline) for Quarter Ending September, 2013															
				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		
				% of faults repaired by next working day	% of faults repaired within 3 days	% of faults repaired within 5 days	% of faults repaired within 7 days						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 resolution of complaints	Accessibility of call centre/ customer care	Percentage of calls answered by the operators (voice to voice) within 60 seconds	Termination / closure of service
Benchmarks																			
1	A & N	BSNL	4.50	85.54%	94.31%	97.72%	5	10.67	65.54%	NA	NIL	0.00%	0.00%	100.00%	100.00%	100.00%	89.00%	100.00%	100.00%
2	AP	Bharti	2.50	91.66%	100.00%	NA	0	3.45	94.50%	NA	0.00%	0.02%	NA	100.00%	100.00%	100.00%	93.00%	100.00%	100.00%
3		Reliance	0.22	100.00%	100.00%	NA	NA	1:40	NA	92.62%	0.00%	0.00%	NA	100.00%	100.00%	97.00%	97.00%	100.00%	100.00%
4		TTSL	4.00	98.67%	100.00%	100.00%	NA	5.98	92.38%	NA	NA	0.07%	NA	100.00%	100.00%	98.86%	90.10%	100.00%	100.00%
5		Vodafone	0.15	100.00%	NA	NA	NA	2:54	92.96%	NA	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	NA	NA
6		BSNL	5.50	77.68%	88.71%	99.33%	69	5.84	68.98%	NA	NIL	0.01%	NIL	100.00%	100.00%	97.47%	78.00%	100.00%	100.00%
7	ASIM	TTSL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
8		Vodafone	1.99	97.87%	NA	NA	NA	3:16	96.75%	NA	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	NA	NA
9		BSNL	3.72	96.81%	100.00%	100.00%	NA	3.11	70.19%	NA	NIL	0.13%	0.00%	100.00%	100.00%	98.58%	94.33%	100.00%	100.00%
10	BR	Reliance	NIL	NA	NA	NA	NA	NA	97.78%	0.00%	NIL	NA	NIL	NIL	97.00%	97.00%	100.00%	100.00%	
11		TTSL	0.74	100.00%	100.00%	100.00%	NA	2.12	90.71%	NA	NA	0.03%	NA	100.00%	NIL	99.20%	93.90%	100.00%	NA
12		Vodafone	1.14	100.00%	NA	NA	NA	3:34	93.78%	NA	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	100.00%	NA
13		BSNL	2.98	95.05%	100.00%	100.00%	0	5.00	65.83%	NA	NIL	0.00%	0.00%	100.00%	100.00%	NA	NA	100.00%	100.00%
14	CH	Reliance	0.11	100.00%	100.00%	NA	NA	4:43	NA	88.20%	0.00%	NIL	NA	NIL	NIL	97.00%	97.00%	100.00%	100.00%
15		TTSL	0.48	100.00%	100.00%	100.00%	NA	4.78	99.85%	NA	NA	0.03%	NA	100.00%	100.00%	98.78%	93.40%	100.00%	NA
16		Vodafone	0.53	100.00%	NA	NA	NA	2:22	93.91%	NA	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	NA	NA
17		BSNL	9.25	70.29%	82.12%	95.01%	864	54.43	85.77%	NA	NIL	0.00%	0.00%	100.00%	100.00%	98.43%	71.67%	100.00%	100.00%
18	Chattisgarh	BSNL	3.91	97.33%	99.10%	100.00%	820	5.24	70.24%	NA	NIL	0.03%	NA	100.00%	100.00%	96.53%	42.67%	100.00%	100.00%
19	DL	Bharti	3.65	94.39%	100.00%	NA	0	5.51	92.99%	NA	0.00%	0.03%	NA	100.00%	100.00%	100.00%	94.00%	100.00%	100.00%
20		Reliance	0.19	100.00%	100.00%	NA	NA	1:26	NA	93.83%	0.00%	0.01%	NA	100.00%	100.00%	97.00%	97.00%	100.00%	100.00%
21		TTSL	0.54	100.00%	100.00%	100.00%	NA	3.32	98.21%	NA	NA	0.04%	NA	100.00%	NIL	99.56%	92.70%	100.00%	NA
22		Vodafone	0.25	99.05%	NA	NA	NA	2:11	100.00%	NA	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	100.00%	NA
23		MTNL	9.74	84.06%	94.17%	NA	NA	4.99	55.51%	NA	0.00%	0.05%	NA	96.37%	DNF	99.60%	99.08%	95.01%	100.00%
24	GJ	Bharti	1.64	97.06%	100.00%	NA	0	3.69	86.85%	NA	0.00%	0.01%	NA	100.00%	100.00%	100.00%	93.00%	100.00%	100.00%
25		Reliance	0.77	100.00%	100.00%	NA	NA	0:52	NA	86.49%	0.00%	0.04%	NA	100.00%	100.00%	97.00%	97.00%	100.00%	100.00%
26		TTSL	1.89	99.71%	100.00%	100.00%	NA	5.80	56.85%	NA	NA	0.05%	NA	100.00%	NIL	99.06%	90.03%	100.00%	NA
27		Vodafone	1.57	100.00%	NA	NA	NA	3:36	97.33%	NA	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	NA	NA
28		BSNL	5.00	94.77%	100.00%	100.00%	NA	4.79	71.17%	NA	NIL	0.02%	0.00%	100.00%	100.00%	95.61%	72.33%	100.00%	100.00%

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29	HP	Reliance	NIL	NA	NA	NA	NA	NA	94.03%	0.00%	NIL	NA	NIL	97.00%	97.00%	100.00%	100.00%	
30		TTSL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.66%	93.71%	NA	NA	
31		Vodafone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100.00%	100.00%	NA	NA	
32		BSNL	4.48	93.94%	98.84%	99.69%	0	6.22	71.71%	NA	NIL	0.07%	0.00%	100.00%	100.00%	96.72%	87.00%	100.00% 100.00%
33	HR	Bharti	4.73	98.07%	100.00%	NA	0	3.46	95.84%	NA	0.00%	0.00%	NA	100.00%	100.00%	100.00%	93.00%	100.00% 100.00%
34		Reliance	NIL	NA	NA	NA	NA	NA	84.95%	0.00%	NIL	NA	NIL	97.00%	97.00%	100.00%	100.00%	
35		TTSL	0.16	100.00%	100.00%	100.00%	NA	1.81	99.99%	NA	NA	NA	NA	NA	98.88%	92.60%	NA	NA
36		Vodafone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100.00%	100.00%	NA	NA	
37		BSNL	4.55	97.99%	100.00%	100.00%	522	6.17	78.87%	NA	NIL	0.10%	NIL	100.00%	100.00%	96.01%	36.67%	100.00% 100.00%
38	J&K	TTSL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
39		Vodafone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100.00%	100.00%	NA	NA
40		BSNL	7.23	66.08%	82.27%	92.44%	7	7.02	70.10%	NA	NIL	0.00%	0.00%	100.00%	100.00%	96.56%	62.67%	100.00% 100.00%
41	JHAR	BSNL	2.42	96.83%	100.00%	100.00%	48	5.98	74.28%	NA	NIL	0.08%	0.00%	100.00%	100.00%	98.53%	95.67%	100.00% 100.00%
42	KOL	Bharti	2.86	94.07%	100.00%	NA	0	6.18	98.69%	NA	0.00%	0.01%	NA	100.00%	100.00%	100.00%	94.00%	100.00% 100.00%
43		Reliance	0.51	100.00%	100.00%	NA	NA	1:31	NA	91.32%	0.00%	0.05%	NA	100.00%	100.00%	97.00%	97.00%	100.00% 100.00%
44		TTSL	1.15	100.00%	100.00%	100.00%	NA	3.10	91.03%	NA	NA	0.02%	NA	100.00%	NIL	99.11%	93.37%	Nil NA
45		Vodafone	0.81	100.00%	NA	NA	NA	2:24	69.22%	NA	0.00%	0.00%	NA	NA	100.00%	100.00%	NA	NA
46		BSNL	14.74	31.39%	47.95%	0.00%	174	42.62	60.96%	NA	NIL	0.07%	NA	100.00%	100.00%	98.72%	84.00%	38.55% 100.00%
47	KR	Bharti	1.00	96.40%	100.00%	NA	0	2.46	93.27%	NA	0.00%	0.01%	NA	100.00%	100.00%	99.00%	95.00%	100.00% 100.00%
48		Reliance	0.23	100.00%	100.00%	NA	NA	4:36	NA	81.80%	0.00%	0.01%	NA	100.00%	100.00%	97.00%	97.00%	100.00% 100.00%
49		TTSL	0.09	100.00%	100.00%	100.00%	NA	3.90	95.86%	NA	NA	0.03%	NA	100.00%	NIL	99.40%	93.71%	100.00% NA
50		Vodafone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100.00%	100.00%	NA	NA
51		BSNL	8.48	54.38%	77.82%	85.79%	2865558	72.84	72.57%	NA	NIL	0.08%	0.00%	100.00%	100.00%	98.12%	98.00%	100.00% 100.00%
52	KTK	Bharti	2.83	92.14%	100.00%	NA	0	3.23	92.63%	NA	0.00%	0.06%	NA	100.00%	100.00%	99.00%	93.00%	100.00% 100.00%
53		Reliance	0.09	100.00%	100.00%	NA	NA	7:51	NA	88.26%	0.00%	0.01%	NA	100.00%	100.00%	97.00%	97.00%	100.00% 100.00%
54		TTSL	0.70	99.12%	100.00%	100.00%	NA	3.71	84.56%	NA	NA	0.02%	NA	100.00%	NIL	99.32%	90.50%	100.00% 100.00%
55		Vodafone	0.42	100.00%	NA	NA	NA	2:31	91.85%	NA	0.00%	0.00%	NA	NA	100.00%	100.00%	NA	NA
56		BSNL	6.35	75.49%	85.66%	94.82%	2209	46.69	72.01%	NA	NIL	0.07%	NA	100.00%	100.00%	96.87%	61.67%	100.00% 100.00%
57	MH	Bharti	0.95	97.61%	100.00%	NA	0	2.96	83.27%	NA	0.00%	0.01%	NA	100.00%	100.00%	100.00%	93.00%	100.00% 100.00%
58		Reliance	0.19	100.00%	100.00%	NA	NA	3:26	NA	87.46%	0.00%	0.04%	NA	100.00%	100.00%	97.00%	97.00%	100.00% 100.00%
59		TTSL	0.70	99.12%	100.00%	100.00%	NA	7.06	98.86%	NA	NA	0.04%	NA	100.00%	NIL	99.17%	90.00%	100.00% NA
60		Vodafone	0.48	97.73%	NA	NA	NA	3:09	91.05%	NA	0.00%	0.00%	NA	NA	100.00%	100.00%	NA	NA
61		BSNL	8.81	36.31%	63.96%	82.99%	179	22.43	56.73%	NA	NIL	0.00%	NA	100.00%	100.00%	95.59%	56.67%	93.74% 100.00%
62	MP	Bharti	4.89	97.28%	100.00%	NA	0	3.44	88.15%	NA	0.00%	0.05%	NA	100.00%	100.00%	99.00%	94.00%	100.00% 100.00%
63		Reliance	0.67	100.00%	100.00%	NA	NA	3:05	NA	87.75%	0.00%	0.02%	NA	100.00%	100.00%	97.00%	97.00%	100.00% 100.00%
64		TTSL	1.04	100.00%	100.00%	100.00%	NA	6.50	100.00%	NA	NA	0.08%	NA	100.00%	NIL	99.17%	92.20%	NIL NA
65		Vodafone	3.50	100.00%	NA	NA	NA	1:19	92.72%	NA	0.00%	0.00%	NA	NA	100.00%	100.00%	NA	NA
66		BSNL	3.61	93.99%	100.00%	100.00%	284880	3.35	72.04%	NA	NIL	0.07%	0.00%	100.00%	100.00%	95.30%	88.00%	100.00% 100.00%
67	MUM	Bharti	0.48	98.46%	100.00%	NA	0	3.37	84.06%	NA	0.00%	0.00%	NA	100.00%	100.00%	100.00%	93.00%	100.00% 100.00%
68		Reliance	0.12	100.00%	100.00%	NA	NA	2:52	NA	90.17%	0.00%	0.05%	NA	100.00%	100.00%	97.00%	97.00%	100.00% 100.00%
69		TTSL	0.32	98.42%	100.00%	100.00%	NA	6.62	98.09%	NA	NA	0.03%	NA	100.00%	NIL	99.09%	90.70%	100.00% 100.00%
70	MUM	Vodafone	0.13	100.00%	NA	NA	NA	1:25	95.83%	NA	0.00%	0.00%	NA	NA	100.00%	100.00%	100.00%	NA
71		MTNL	7.78	87.06%	93.91%	NA	NA	8.51	55.81%	79.21%	0.00%	0.04%	NIL	100.00%	NA	98.78%	96.37%	95.83% 100.00%

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72	NE	Vodafone	NA	NA	NA	NA	NA	NA	98.60%	NA	0.00%	NA	NA	NA	NA	100.00%	100.00%	NA	NA
73		TTSL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NIL	NA	NA	NIL	NA
74	NE-I	BSNL	3.88	95.77%	99.61%	99.79%	NA	7.08	74.81%	NA	NIL	0.03%	0.00%	100.00%	100.00%	97.83%	94.00%	100.00%	100.00%
75	NE-II	BSNL	3.32	96.17%	97.08%	99.89%	NA	37.25	61.55%	NA	NIL	0.00%	0.00%	100.00%	100.00%	96.04%	93.00%	100.00%	100.00%
76	OR	Reliance	NIL	NA	NA	NA	NA	NA	86.37%	0.00%	NIL	NA	NIL	NIL	97.00%	97.00%	100.00%	100.00%	
77		TTSL	0.89	100.00%	100.00%	100.00%	NA	2.34	99.98%	NA	NA	NA	NA	Nil	NIL	98.91%	93.89%	100.00%	NA
78		Vodafone	0.86	100.00%	NA	NA	NA	1:12	93.77%	NA	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	NA	NA
79		BSNL	4.37	92.24%	99.19%	99.19%	112	15.64	69.83%	NA	NIL	0.08%	0.00%	100.00%	100.00%	98.91%	90.67%	100.00%	100.00%
80	PB	Bharti	3.46	97.25%	100.00%	NA	O	4.19	96.93%	NA	0.00%	0.01%	NA	100.00%	100.00%	100.00%	95.00%	100.00%	100.00%
81		Reliance	0.44	100.00%	100.00%	NA	NA	6:58	NA	93.86%	0.00%	0.02%	NA	100.00%	100.00%	97.00%	97.00%	100.00%	100.00%
82		TTSL	1.01	100.00%	100.00%	100.00%	NA	4.33	76.70%	NA	NA	0.03%	NA	100.00%	NIL	99.14%	91.44%	NIL	NA
83		Vodafone	0.33	100.00%	NA	NA	NA	O:01	97.34%	NA	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	100.00%	NA
84		BSNL	4.14	96.23%	100.00%	100.00%	110	5.40	75.76%	NA	NIL	0.05%	0.00%	100.00%	100.00%	96.16%	48.67%	100.00%	100.00%
85		Quadrant	4.64	75.00%	96.00%	NA	NA	15.16	55.66%	NA	0.00%	0.01%	NA	100.00%	100.00%	100.00%	92.00%	100.00%	100.00%
86	RJ	Bharti	1.87	98.97%	100.00%	NA	O	2.97	79.81%	NA	0.00%	0.01%	NA	100.00%	100.00%	100.00%	94.00%	100.00%	100.00%
87		Reliance	0.08	100.00%	100.00%	NA	NA	6:33	NA	92.95%	0.00%	0.02%	NA	100.00%	100.00%	97.00%	97.00%	100.00%	100.00%
88		TTSL	NA	NA	NA	NA	NA	NA	99.99%	NA	NA	NA	NA	Nil	NIL	99.35%	94.20%	NIL	NA
89		Vodafone	0.68	100.00%	NA	NA	NA	1:43	96.56%	NA	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	100.00%	NA
90		BSNL	4.76	96.69%	100.00%	100.00%	272	5.47	72.38%	NA	NIL	0.00%	0.00%	100.00%	100.00%	95.70%	12.67%	100.00%	100.00%
91		Sistema	3.01	99.00%	99.80%	100.00%	10.00%	6.28	92.13%	NA	0.00%	0.07%	0.00%	100.00%	100.00%	99.70%	90.89%	100.00%	100.00%
92	TN	Bharti	2.53	96.43%	100.00%	NA	O	3.41	92.22%	NA	0.00%	0.05%	NA	100.00%	100.00%	99.00%	92.00%	100.00%	100.00%
93		Reliance	0.27	100.00%	100.00%	NA	NA	4:22	NA	89.14%	0.00%	0.00%	NA	100.00%	100.00%	97.00%	97.00%	100.00%	100.00%
94		TTSL	0.20	100.00%	100.00%	100.00%	NA	4.34	96.9%	NA	NA	NA	NA	Nil	NIL	98.00%	90.10%	NIL	NA
95		Vodafone	2.67	95.00%	NA	NA	NA	4:08	91.22%	NA	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	NA	NA
96		BSNL	4.83	72.57%	84.01%	94.69%	1137	22.74	83.58%	NA	NIL	0.00%	0.00%	100.00%	100.00%	97.77%	73.00%	100.00%	100.00%
97	UPE	Bharti	4.82	97.02%	100.00%	NA	O	4.38	94.20%	NA	0.00%	0.04%	NA	100.00%	100.00%	100.00%	93.00%	100.00%	100.00%
98		Reliance	0.50	100.00%	100.00%	NA	NA	3:58	NA	93.77%	0.00%	0.08%	NA	100.00%	100.00%	97.00%	97.00%	100.00%	100.00%
99		TTSL	3.35	98.11%	100.00%	100.00%	NA	3.22	98%	NA	NA	NA	NA	Nil	NIL	98.77%	94.00%	100.00%	NA
100		Vodafone	1.07	100.00%	NA	NA	NA	1:12	96.60%	NA	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	100.00%	NA
101		BSNL	3.40	95.71%	100.00%	100.00%	87	5.81	76.24%	NA	NIL	0.01%	NIL	100.00%	100.00%	96.58%	100.00%	100.00%	100.00%
102	UPW	Bharti	4.03	98.59%	100.00%	NA	O	3.55	97.31%	NA	0.00%	0.02%	NA	100.00%	100.00%	99.88%	92.00%	100.00%	100.00%
103		Reliance	NIL	NA	NA	NA	NA	NA	92.29%	0.00%	NIL	NA	NIL	NIL	97.00%	97.00%	100.00%	100.00%	
104		TTSL	NA	NA	NA	NA	NA	NA	100.00%	NA	NA	NA	NA	Nil	NIL	99.04%	93.64%	NIL	NA
105		Vodafone	0.25	100.00%	NA	NA	NA	2:05	96.63%	NA	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	NA	NA
106		BSNL	4.93	94.09%	100.00%	100.00%	1904	5.68	77.22%	NA	NIL	0.00%	0.04%	100.00%	100.00%	95.85%	18.67%	100.00%	100.00%
107	Uttaranchal	BSNL	6.06	92.35%	98.66%	99.87%	452	4.85	68.21%	NA	NIL	NIL	NIL	100.00%	100.00%	96.85%	62.33%	100.00%	100.00%
108	WB	Reliance	NIL	NA	NA	NA	NA	NA	82.57%	0.00%	NIL	NA	NIL	NIL	97.00%	97.00%	100.00%	100.00%	
109		TTSL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Nil	NIL	99.66%	90.10%	NIL	NA
110		Vodafone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100.00%	100.00%	NA	NA
111		BSNL	6.36	86.67%	90.28%	95.06%	334	12.99	65.41%	NA	NIL	0.05%	0.00%	100.00%	100.00%	32.86%	16.67%	97.89%	100.00%

 Benchmark not met

NR - Data Not Reported

NA - Not Applicable

Annexure 4.4: Quality of Service Performance of Broadband Service Providers

Sl. No.		Service Operators/Service area	Performance Monitoring Report on Quality of Service of Broadband Service Providers for Quarter Ending September, 2013											Service availability /uptime (for all users) in %age	Packet Loss	Network latency (for wired broadband access)	User reference point at ISP Gateway node to International nearest NAP port abroad (satellite)			
			Service Provisioning		Faults Repair		Billing Performance			Response Time to the Customer for assistance		Bandwidth utilisation/throughput								
			%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 utilisation during peak hours (TCBH) (Enclose MRTG) <90%	Broadband Connection Speed available (download) from ISP node to user					
			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
1	BSNL																			
1.1	Andhra Pradesh	100.00%	81.70%	92.40%	13	0.06%	100.00%	100.00%	52.64%	57.82%					93.90%	99.90%				
1.2	Assam	89.40%	78.50%	92.60%	29	0.02%	100.00%	100.00%	5.75%	5.95%					97.10%	99.90%				
1.3	Bihar	100.00%	93.30%	99.10%	0	0.00%	100.00%	100.00%	NR	NR					87.70%	99.60%				
	Jharkhand	100.00%	80.10%	84.10%	213	0.20%	100.00%	100.00%	96.29%	98.01%					96.40%	99.70%				
1.4	Chennai	88.00%	62.90%	90.30%	0	0.17%	100.00%	100.00%	29.62%	34.65%					85.00%	100.00%				
1.5	Gujarat	100.00%	94.70%	99.40%	0	0.03%	100.00%	100.00%	38.03%	41.72%					89.80%	99.70%				
1.6	Haryana	100.00%	92.10%	99.40%	80	0.12%	100.00%	100.00%	17.16%	23.26%					90.70%	99.50%				
1.7	Himachal Pradesh	100.00%	88.40%	94.30%	20	0.05%	100.00%	100.00%	78.93%	93.49%					87.00%	99.70%				
1.8	Jammu & Kashmir	100.00%	76.30%	91.40%	12	0.02%	100.00%	99.33%	62.67%	73.67%					92.30%	99.50%				
1.9	Karnataka	100.00%	94.60%	99.30%	14	0.01%	99.90%	99.80%	3.07%	4.26%					93.60%	99.90%				
1.10	Kerala	84.00%	56.80%	73.20%	757	0.08%	100.00%	100.00%	84.33%	92.33%					88.80%	99.50%				
1.11	Kolkata	100.00%	94.20%	99.10%	0	0.00%	100.00%	100.00%	58.00%	72.00%					90.00%	99.50%				
1.12	Maharashtra	99.30%	86.90%	97.90%	524	0.02%	100.00%	100.00%	2.92%	4.20%					92.30%	99.70%				
1.13	Madhya Pradesh	100.00%	93.40%	99.70%	0	0.20%	100.00%	100.00%	65.10%	75.43%					89.20%	99.90%				
	Chhattisgarh	100.00%	95.00%	99.40%	77	0.00%	100.00%	100.00%	15.97%	13.42%					93.00%	99.80%				
1.14	North East I	100.00%	92.60%	99.10%	23	0.00%	100.00%	100.00%	94.00%	95.00%					92.80%	99.70%				
	North East II	100.00%	95.50%	100.00%	0	0.27%	100.00%	100.00%	89.80%	98.04%					93.00%	99.50%				
1.15	Orissa	99.60%	85.70%	98.90%	510457	0.03%	99.79%	99.95%	84.27%	93.10%					88.30%	99.20%				
1.16	Punjab	100.00%	96.50%	99.50%	143	0.05%	100.00%	100.00%	46.67%	49.00%					91.10%	99.70%				
1.17	Rajasthan	100.00%	95.90%	100.00%	17	0.00%	100.00%	100.00%	1.55%	2.07%					89.70%	99.80%				
1.18	Tamil Nadu	99.00%	77.50%	90.20%	0	0.20%	100.00%	100.00%	63.35%	67.79%					96.80%	99.90%				
1.19	UP East	100.00%	93.40%	100.00%	0	0.02%	100.00%	100.00%	NR	NR					93.40%	99.80%				
1.2	UP West	100.00%	91.70%	99.70%	44	0.05%	100.00%	100.00%	12.17%	15.69%					89.90%	99.80%				
	Uttarakhand	100.00%	92.80%	100.00%	0	0.01%	100.00%	100.00%	89.94%	95.92%					94.80%	99.50%				
1.21	West Bengal	88.10%	72.80%	92.80%	241	0.14%	100.00%	100.00%	NR	NR					90.40%	99.10%				
	A&N	96.90%	82.70%	96.70%	0	0.00%	100.00%	100.00%	89.00%	100.00%					60.00%	99.50%				
2	MTNL																			
2.1	Delhi	88.35%	81.01%	94.05%	16582	0.130%	100.00%	100.00%	99.81%	99.87%	Nil	1	84.48%	95.00%	99.73%	C/DNF	C/DNF	C/DNF	NA	
2.2	Mumbai	83.80%	81.28%	90.26%	39454	0.01%	100.00%	NA	67.09%	69.87%	0	0	88.25%	80.00%	100.00%	1.00%	70	350	NA	
3	Bharti Airtel Ltd.																			
3.1	Andhra Pradesh	100.00%	90.24%	100.00%	0	0.01%	100.00%	100.00%	91.00%	95.00%	0	0	57.38%	105.47%	100.00%	0.00%	41	51.67	NA	
3.2	Delhi	100.00%	93.91%	99.22%	757	0.03%	100.00%	100.00%	88.00%	92.00%	0	0	76.08%	104.00%	99.98%	0.00%	31	78.27	NA	
3.3	Gujarat	100.00%	94.48%	99.24%	29	0.01%	100.00%	100.00%	87.00%	92.00%	0	NA	NA	100.00%	100.00%	0.00%	40	61.63	NA	
3.4	Haryana	100.00%	97.58%	99.65%	6	0.01%	100.00%	100.00%	89.00%	92.00%	0	NA	NA	103.00%	99.99%	0.00%	26	77.93	NA	
3.5	Karnataka	100.00%	90.75%	100.00%	0	0.08%	100.00%	100.00%	90.00%	94.00%	0	0	60.25%	107.79%	99.98%	0.00%	27	39.33	NA	
3.6	Kerala	100.00%	96.71%	100.00%	0	0.01%	100.00%	100.00%	90.00%	92.00%	0	NA	NA	103.52%	100.00%	0.00%	52	32.33	NA	
3.7	Kolkata	100.00%	94.59%	99.26%	57	0.01%	100.00%	100.00%	88.00%	91.00%	0	0	65.97%	113.00%	99.99%	0.00%	27	81.02	NA	
3.8	Madhya Pradesh & CG	100.00%	97.03%	99.37%	156	0.05%	100.00%	100.00%	84.00%	89.00%	0	0	75.50%	99.07%	99.97%	0.00%	77	67.67	NA	
3.9	Maharashtra	100.00%	96.06%	99.31%	19	0.04%	100.00%	100.00%	89.00%	93.00%	0	NA	NA	100.00%	99.89%	0.00%	40	61.63	NA	
3.10	Mumbai	100.00%	97.81%	99.57%	24	0.01%	100.00%	100.00%	87.00%	91.00%	0	0	58.34%	99.75%	99.97%	0.00%	31	61.63	NA	
3.11	Punjab	100.00%	97.48%	99.74%	15	0.01%	100.00%	100.00%	89.00%	92.00%	0	0	31.58%	101.00%	100.00%	0.00%	45	87.16	NA	
3.12	Rajasthan	100.00%	99.19%	100.00%	0	0.00%	100.00%	100.00%	89.00%	93.00%	0	NA	NA	100.00%	100.00%	0.00%	28	78.13	NA	
3.13	Tamilnadu	100.00%	94.98%	99.98%	4	0.05%	100.00%	100.00%	82.00%	88.00%	0	0	64.31%	114.75%	99.99%	0.00%	26	32.33	NA	
3.14	UP - East	100.00%	96.66%	99.83%	12	0.03%	100.00%	100.00%	87.00%	90.00%	0	NA	NA	108.00%	99.93%	0.00%	34	77.93	NA	
3.15	UP - West	100.00%	97.44%	100.00%	0	0.01%	100.00%	100.00%	88.00%	92.00%	0	NA	NA	101.00%	99.99%	0.00%	33	77.93	NA	

Annexure 4.4 (Contd.)

4	Hathway																			
4.1	Andhra Pradesh	100.00%	97.00%	100.00%	25	1.93%	100.00%	100.00%	89.00%	94.00%	0	0	87.00%	85.00%	99.73%	1.00%	75	320	NA	
4.2	Delhi	100.00%	96.00%	99.00%	41	1.38%	100.00%	100.00%	65.00%	83.00%	NR	NR	60.00%	85.00%	98.37%	1.00%	4	295	NA	
4.3	Gujarat	100.00%	88.00%	99.00%	0	0.00%	NA	NA	79.00%	95.00%	0	0	85.00%	85.00%	99.00%	1.00%	100	270	NA	
4.4	Haryana	100.00%	NA	NA	NR	0.00%	NA	NA	DNF	DNF	0	DNF	NA	85.00%	100.00%	1.00%	10	308	NA	
4.5	Karnataka	100.00%	98.00%	100.00%	28	1.98%	100.00%	100.00%	75.00%	82.00%	0	0	87.00%	85.00%	99.73%	1.00%	75	350	NA	
4.6	Maharashtra	100.00%	93.00%	98.23%	1425	0.80%	100.00%	100.00%	74.00%	84.00%	0	0	87.00%	85.00%	99.00%	1.00%	100	280	NA	
4.7	Punjab	100.00%	79.00%	87.00%	6	1.89%	100.00%	100.00%	99.00%	99.00%	NR	0	77.00%	85.00%	98.69%	1.00%	4	302	NA	
4.8	Goa	100.00%	96.00%	100.00%	0	0.00%	NA	NA	74.00%	93.00%	0	0	84.00%	85.00%	98.00%	1.00%	95	250	NA	
4.9	Uttar Pradesh	100.00%	99.00%	99.00%	0	0.90%	100.00%	100.00%	DNF	DNF	NR	NA	72.00%	85.00%	100.00%	1.00%	10	298	NA	
4.10	Chhattisgarh	100.00%	99.00%	100.00%	0	1.03%	100.00%	100.00%	99.00%	99.00%	0	0	80.00%	85.00%	99.00%	1.00%	8	310	NA	
5	Quadrant Televntures Ltd.(Formerly HFCL Infotel Ltd.)																			
	Punjab	99.80%	95.50%	99.22%	54	0.01%	100.00%	100.00%	69.00%	82.00%	Nil	Nil	80.00%	100.00%	99.85%	0.00%	80	280	NA	
6	Tata Teleservices (Maharashtra) Ltd.																			
	Maharashtra & Goa	100.00%	91.29%	100.00%	Nil	0.28%	100.00%	NA	94.00%	96.00%	0	0	85.66%	95.00%	99.37%	0.00%	31	195	NA	
7	Beam Cables																			
	Hyderabad	100.00%	73.00%	97.66%	2866	2.00%	100.00%	NA	80.33%	87.00%	0	0	64.30%	80.00%	99.00%	1.00%	50	300	NA	
8	Alliance Broadband																			
	Kolkata	100.00%	95.00%	100.00%	0	0.13%	100.00%	NA	98.00%	99.00%	0	0	NR	DNF	99.00%	1.00%	NA	NA	NA	
9	Broadband Pacenet India Private Ltd.																			
9.1	Mumbai	100.00%	91.00%	99.00%	61	0.00%	100.00%	NA	66.00%	82.00%	0	0	81.00%	DNF	99.00%	1.00%	50	280	NA	
9.2	Mumbai-Pune	100.00%	92.00%	100.00%	NR	NR	100.00%	NA	70.00%	85.00%	0	0	79.00%	DNF	99.00%	1.00%	50	280	NA	
9.3	All India	100.00%	91.00%	99.00%	62	0.00%	NA	NA	68.00%	83.00%	0	2	80.00%	DNF	99.00%	1.00%	75	310	NA	
9.4	Madhya Pradesh	100.00%	92.00%	100.00%	0	0.00%	100.00%	NA	65.00%	93.00%	0	0	67.00%	DNF	99.00%	1.00%	50	280	NA	
9.5	Gujarat	100.00%	91.00%	100.00%	15	1.00%	100.00%	NA	70.00%	85.00%	0	0	74.00%	DNF	99.00%	1.00%	50	280	NA	
9.6	Rajasthan	100.00%	91.00%	100.00%	0	0.00%	NA	NA	72.00%	87.00%	0	0	80.00%	DNF	99.00%	1.00%	50	280	NA	
9.7	Andhra Pradesh	100.00%	91.00%	99.00%	0	2.00%	100.00%	NA	68.00%	83.00%	0	0	82.93%	DNF	99.00%	1.00%	50	280	NA	
10	Tikona Digital Network																			
	All India	99.91%	95.46%	99.27%	621	0.19%	100.00%	100.00%	70.00%	82.00%	0	0	71.05%	98.91%	99.66%	NA	NA	NA	NA	
11	Asianet Satellite Communications Ltd.																			
	Kerala	100.00%	90.61%	99.36%	NR	1.33%	100.00%	100.00%	NR	NR	Nil	0	61.84%	90.00%	99.60%	1.00%	50	270	NA	
12	IndusInd Media & Communications Ltd. (Broadband Division)																			
	All India	100.00%	97.00%	99.00%	39	0.00%	100.00%	100.00%	100.00%	100.00%	0	0	74.51%	80.00%	96.00%	1.00%	45	260	NA	
13	Gujarat Telelink Pvt. Ltd.																			
	Gujarat	100.00%	97.00%	99.00%	118	0.42%	100.00%	NA	97.00%	99.00%	NA	0	89.00%	89.00%	99.84%	0.00%	11	300	NA	
14	D-Vois Broadband																			
	All India	100.00%	94.37%	99.65%	NR	0.57%	100.00%	NR	98.00%	99.00%	0	0	Nil	90.00%	99.99%	0.10%	100	100	100	

Annexure 4.4 (Contd.)

15	Wish Net Private Ltd																	
15.1	West Bengal	100.00%	98.92%	100.00%	0	0.33%	100.00%	NA	80.67%	97.33%	0	0	73.74%	DNF	99.00%	1.00%	NA	
15.2	Kolkata	100.00%	98.92%	100.00%	0	0.06%	100.00%	NA	81.00%	97.67%	0	0	76.93%	DNF	99.00%	1.00%	NA	
16	Tata Communications																	
16.1	Andhra Pradesh	100.00%	95.00%	99.00%		0.02%	100.00%	100.00%							99.53%			
16.2	Assam	NA	100.00%	100.00%		NA	NA	NA							NA			
16.3	Delhi & NCR	NA	99.00%	100.00%		0.02%	100.00%	100.00%							99.56%			
16.4	Gujarat & Daman & Du	100.00%	96.00%	99.00%		0.05%	100.00%	NA							98.27%			
16.5	Haryana	NA	98.00%	100.00%		0.00%	100.00%	NA							NA			
16.6	Himachal Pradesh	NA	100.00%	100.00%		0.00%	100.00%	NA							NA			
16.7	Jammu & Kashmir	NA	100.00%	100.00%		NA	NA	NA							NA			
16.8	Karnataka	NA	99.00%	100.00%		0.06%	100.00%	100.00%							99.52%			
16.9	Kerala & Lakshadweep	100.00%	90.03%	98.00%		0.00%	100.00%	100.00%							96.79%			
16.10	Madhya Pradesh & Chhattisgarh	100.00%	94.00%	99.00%		0.00%	100.00%	NA							97.59%			
16.11	Maharashtra & Goa	100.00%	90.00%	95.00%		0.04%	100.00%	100.00%							95.03%			
16.12	Mumbai	100.00%	92.00%	97.00%		0.02%	100.00%	NA							98.32%			
16.13	North Eastern	NA	100.00%	100.00%		NA	NA	NA							NA			
16.14	Orissa	NA	100.00%	100.00%		0.00%	100.00%	NA							NA			
16.15	Punjab	NA	99.00%	100.00%		0.00%	100.00%	NA							NA			
16.16	Rajasthan	NA	99.00%	100.00%		0.00%	100.00%	NA							NA			
16.17	Tamil Nadu & Pondicherry	100.00%	97.00%	100.00%		0.01%	100.00%	100.00%							98.46%			
16.18	Uttar Pradesh - East	NA	100.00%	100.00%		0.00%	100.00%	NA							NA			
16.19	Uttar Pradesh - West	NA	100.00%	100.00%		NA	NA	NA							NA			
16.20	West Bengal	NA	100.00%	100.00%		NA	NA	NA							NA			
16.21	Kolkata	100.00%	96.00%	100.00%		0.03%	100.00%	100.00%							98.51%			
16.22	Bihar & Jharkhand	NA	91.00%	100.00%		0.00%	100.00%	NA							100.00%			
17	Ortel Communications																	
	Orissa	100.00%	91.00%	100.00%	Nil	0.00%	NA	NA	100.00%	100.00%	0	0	77.00%	95.00%	99.13%	0.00%	88	257
18	Reliance Communications																	
	All India	100.00%	100.00%	100.00%	NA	0.15%	100.00%	100.00%	84.00%	89.00%	0	0	35.34%	93.00%	99.57%	0.53%	C/DNF	C/DNF
19	You Broadband India Pvt Ltd																	
19.1	All India	93.00%	85.00%	96.00%	1503	1.00%	100.00%	57.00%	51.00%	55.00%	NA	0	70.96%	86.94%	99.20%	0.00%	10	272
19.2	Maharashtra	89.00%	91.00%	98.00%	160	1.21%	100.00%	53.00%	18.00%	21.00%	NA	0	70.40%	85.98%	99.65%	0.00%	9	284
19.3	Gujarat	86.90%	84.00%	96.00%	693	0.49%	100.00%	56.00%	19.00%	23.00%	NA	0	71.24%	87.64%	98.84%	0.00%	13	265
19.4	Karnataka	90.58%	77.00%	92.00%	139	1.23%	100.00%	79.00%	68.00%	76.00%	NA	0	70.00%	86.74%	99.45%	0.00%	9	266
19.5	Tamilnadu	85.00%	85.00%	96.00%	111	1.56%	100.00%	71.00%	91.00%	93.00%	NA	0	75.24%	86.51%	99.81%	0.00%	8	269
19.6	Haryana	98.00%	93.00%	99.00%	25	0.00%	NA	47.00%	90.00%	92.00%	NA	0	70.90%	87.63%	99.67%	0.00%	8	271
19.7	Andhra Pradesh	96.00%	79.00%	94.00%	375	0.73%	100.00%	58.00%	20.00%	23.00%	NA	0	70.73%	86.46%	99.33%	0.00%	10	275

Annexure 4.4 (Contd.)

20	Five Networks																		
	All India	100.00%	99.50%	100.00%	NA	NR	100.00%	100.00%	NA	NA	NA	0	NA	85.75%	99.00%	1.00%	NA	350	NA
21	Noida Software Technology																		
	All India	100.00%	100.00%	NA	Nil	NA	NA	NA	85.00%	100.00%	NR	NA	NA	98.00%	99.28%	1.00%	15	200	NA
22	Meghbela Cable & Broadband																		
	All India	100.00%	99.90%	100.00%	0	0.00%	100.00%	100.00%	100.00%	100.00%	0	0	0.00%	100.00%	99.90%	0.00%	60	NR	NR
23	Atria Convergence Tech																		
	All India	95.00%	70.00%	91.00%	1186	0.24%	100.00%	NA	92.00%	95.00%	Nil	Nil	92.00%	95.00%	99.31%	1.00%	30	264	Nil
24	Citycom Networks Pvt. Ltd.																		
	All India	100.00%	99.00%	99.00%	0	0.34%	100.00%	100.00%	85.00%	88.00%	0	0	53.00%	87.94%	99.10%	1.00%	4	172	NA
25	Digital Network associates																		
	MH & Goa	100.00%	91.31%	99.37%	None	0.67%	100.00%	NA	61.85%	82.50%	None	0	80.00%	80.00%	99.68%	1.00%	4	255	NR
26	Southern Online Bio technologies																		
	Andhra Pradesh	100.00%	90.00%	99.00%	None	NA	NA	NA	DNF	NR	0	0	90.00%	99.00%	99.00%	1.00%	120	350	NA
27	Vasai Cable Pvt Ltd.																		
	Mumbai	100.00%	93.96%	99.56%	None	0.59%	100.00%	NA	73.64%	88.24%	0	0	80.00%	80.00%	99.59%	1.00%	4	255	NR
28	Nivyah Infrastructure & Telecom Services Ltd																		
	All India	100.00%	100.00%	100.00%	Nil	0.00%	100.00%	100.00%	91.66%	99.00%	0	0	Nil	95.00%	99.00%	0.00%	50	253.33	NA
29	Spectranet																		
	All India	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
30	R.K. Infratel Ltd																		
	Gujarat	100.00%	91.28%	99.21%	0	0.00%	100.00%	NA	99.97%	100.00%	0	0	87.71%	85.00%	99.56%	0.00%	120	350	NA
31	Rajesh Multichannel Pvt																		
	Mumbai	100.00%	98.00%	100.00%	0	0.00%	100.00%	Nil	92.00%	87.00%	2	NR	86.00%	85.00%	99.00%	1.00%	91	250	500
		DNF= Data not as per Format				NR= Data not reported by the Service Provider								NA = Not Applicable			C/DNF= 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

S.No	Name of the channel	Reported Rates(in INR)
1	Zee TV	13.88
2	Zee Cinema	13.88
3	Cartoon Network	13.37
4	Zee Marathi	08.56
5	Zee News	08.02
6	CNN	01.60
7	Zee Café	08.56
8	Zee Studios	07.49
9	Zee Bangla	08.67
10	Zee Punjabi	01.60
11	Zee Trendz	01.07
12	HBO	16.69
13	POGO	13.37
14	Zee Business	05.14
15	Zee Classic	10.70
16	Zee Action	10.70
17	Zee Premier	11.98
18	Zee Telugu	11.13
19	Zee Kannada	07.98
20	ETC Punjabi	09.63
21	ETC	03.21
22	Zing	05.35
23	Zee Jagran	02.14
24	Zee Smile	06.57
25	24 Ghante	06.42
26	24 Taas	09.09
27	Zee Talkies	16.58
28	WB	06.60
29	Zee 24 Ghantalu	05.60
30	Zee Salaam	15.00
31	9X	20.50
32	Star Plus	18.73
33	Star Gold	17.66
34	Star Movies	17.66
35	Star World	04.87
36	Vijay TV	04.28
37	NGC	06.15
38	Fox Traveller channel	04.71
39	Channel V	01.07
40	Life Ok	21.94

Annexure 5.1 (contd.)

S.No	Name of the channel	Reported Rates(in INR)
41	The MGM	06.42
42	Star Jalsha	12.00
43	ABP Ananda	06.00
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	Star Movies Action	15.00
53	Movies OK	17.00
54	NDTV 24X7	09.10
55	NDTV Profit	06.42
56	NDTV Good Times	09.63
57	Suvarna	12.00
58	Asianet Plus	07.00
59	NDTV India	08.02
60	Zee Bangla Cinema	16.20
61	ABP Majha	09.20
62	SET (Sony Entertainment Television)	21.40
63	MAX	18.19
64	Discovery	16.05
65	Animal Planet	05.35
66	AXN	15.52
67	Animax	0.50
68	TLC	09.63
69	SAB TV	14.70
70	SET PIX	12.84
71	Aaj Tak	07.49
72	Headlines Today	03.21
73	Tez	02.14
74	Channel 8 (Sony AATH)	10.00
75	Discovery Science	12.00
76	Discovery Turbo	10.00
77	Neo Sports	26.60
78	NEO Prime	35.45
79	Discovery Channel – Tamil	16.05
80	MIX	07.50
81	Discovery Kids	13.25
82	SIX	35.00

Annexure 5.1 (contd.)

S.No	Name of the channel	Reported Rates(in INR)
83	ET NOW	08.50
84	Times Now	09.10
85	Zoom	08.35
86	The Disney Channel	09.52
87	Disney XD	09.52
88	Hangama TV	08.35
89	IBN 7	07.49
90	IBN Lokmat	07.86
91	Colors	21.40
92	MTV	07.49
93	NICK	06.42
94	VH 1	03.21
95	CNBC TV 18	09.10
96	CNN-IBN	05.35
97	CNBC Awaaz	04.82
98	ETV	10.70
99	ETV 2	05.99
100	ETV Bangla	11.12
101	ETV Marathi	11.12
102	ETV Kannada	11.12
103	ETV Gujarathi	11.12
104	ETV Oriya	11.12
105	ETV UP	11.12
106	ETV Bihar	11.12
107	ETV Urdu	11.12
108	ETV Rajasthan	11.12
109	ETV MP	11.12
110	Bindass	10.00
111	UTV Action	10.00
112	World Movies	10.00
113	UTV Movies	15.00
114	Disney Junior	13.37
115	Nick Jr / Teen Nick	13.37
116	Comedy Central	15.50
117	SONIC	13.00
118	SUN TV	13.26
119	Gemini TV	11.02
120	Udaya TV	12.30
121	K TV	16.06
122	Gemini Comedy	05.68
123	Udaya Movies	15.40
124	Sun Music	07.50
125	Gemini Music	07.50

Annexure 5.1 (contd.)

S.No	Name of the channel	Reported Rates(in INR)
126	Sun News	01.50
127	Gemini News	08.02
128	Udaya News	07.86
129	Gemini Movies	18.20
130	Chintu TV	13.37
131	Udaya Comedy	16.06
132	Kushi TV	13.37
133	Chutti TV	13.37
134	Udaya Music	07.49
135	Adithya TV	18.19
136	Surya TV	12.31
137	Kiran TV	18.19
138	Sun News English	08.00
139	Gemini Life	11.13
140	SUN TV RI	12.50
141	SUN Life	12.50
142	BBC World	05.35
143	Star Sports 4	35.45
144	Star Sports 1	35.45
145	Star Sports 3	29.96
146	Fox Sports News	09.10
147	Star Sports 2	36.00
148	Raj TV	11.77
149	Raj Digital Plus	08.26
150	Vissa TV	05.01
151	Raj Musix	05.00
152	Raj News (24X7)	04.00
153	9XM	07.00
154	9X Jhakaas	05.00
155	9XO	05.00
156	9X Jalwa	05.00
157	Sahara One	20.50
158	Filmy	16.50
159	B4U Movies	06.65
160	MAA TV	06.00
161	MAA Music	07.50
162	MAA Movies	18.50
163	MAA Gold	11.00
164	Dilli Aaj Tak	08.50
165	E-24	15.00
166	Toonami	13.37
167	Tarang	10.70
168	Tarang Music	05.00

Annexure 5.1 (contd.)

S.No	Name of the channel	Reported Rates(in INR)
169	Prarthana	05.00
170	Ten Sports	16.05
171	Ten Cricket	35.45
172	Ten Action	35.00
173	BIG CBS PRIME	14.00
174	BIG CBS LOVE	11.00
175	BIG CBS SPARK	11.00
176	BIG CBS Spark Punjabi	11.00
177	BIG MAGIC	11.00
178	Bloomberg UTV	08.50
179	9X Tashan	05.00
180	Sarthak TV	09.50
181	Jaya TV	09.00
182	Jaya Plus	04.00
183	Jaya Max	06.00
184	J Movies	06.00
185	Mega TV	05.00
186	Mega Musiq	05.00
187	Mega 24	05.00

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

S.NO.	CITY	NAME OF THE COMPANY	CHANNEL IDENTITY	DATE OF OPERATIONALISATION
1	DELHI	CLEAR MEDIA	HIT-FM	01.09.2006
2	DELHI	DIGITAL RADIO	RED-FM	29.04.2003
3	DELHI	E.N.I.L.	RADIO- MIRCHI	29.04.2003
4	DELHI	H.T. MEDIA	FEVER 104	30.10.2006
5	DELHI	M.B.P.L.	RADIO-CITY	29.04.2003
6	DELHI	RADIO-ONE LTD.	RADIO-ONE [1]	23.09.2006
7	DELHI	TV 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
11	MUMBAI	E.N.I.L.	RADIO- MIRCHI	29.04.2002
12	MUMBAI	H.T. MEDIA	FEVER 104	15.01.2007
13	MUMBAI	M.B.P.L.	RADIO-CITY	21.05.2002
14	MUMBAI	TV TODAY BROADCASTING LTD	RADIO- MEOW	26.01.2008
15	MUMBAI	RADIO-ONE LTD.	RADIO-ONE [1]	29.04.2003
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
20	KOLKATA	E.N.I.L.	RADIO- MIRCHI	03.05.2003
21	KOLKATA	HITZ FM	POWER-FM	03.05.2003
22	KOLKATA	INDIA FM	AMAR-FM	03.05.2003
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
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
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
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

Annexure 5.2 (Contd.)

S.NO.	CITY	NAME OF THE COMPANY	CHANNEL IDENTITY	DATE OF OPERATIONALISATION
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
49	AMRITSAR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	01.08.2007
50	AMRITSAR	TV 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
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
70	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
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
81	GANGTOK	CHINAR CIRCUITS	NINE-91.9 FM	10.08.2008
82	GANGTOK	PCM CEMMENTS	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	PURVY BROADCASTING	GUP-SHUP	09.10.2007
88	GUWAHATI	SOUTH ASIA	S. FM	11.04.2008
89	GWALIOR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	06.08.2007
90	GWALIOR	GWALIOR FARMS	CHASKA	04.08.2007
91	GWALIOR	ITM SOFTWARE	SUNO LEMON	07.09.2007
92	GWALIOR	D. B. CORP.	MY-FM	06.08.2007
93	HISSAR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	02.03.2007
94	HISSAR	B.A.G. INFOTAINMENT	RADIO- DHAMAL	18.06.2007
95	HISSAR	SHRI PURAN MULTIMEDIA	MANTRA FM	21.03.2007
96	HYDERABAD	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	25.09.2006
97	HYDERABAD	E.N.I.L.	RADIO- MIRCHI	19.04.2006
98	HYDERABAD	KAL RADIO	S. FM	06.11.2006
99	HYDERABAD	M.B.P.L.	RADIO-CITY	30.05.2006
100	INDORE	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	03.08.2007
101	INDORE	E.N.I.L.	RADIO- MIRCHI	01.10.2001
102	INDORE	SOUTH ASIA	S. FM	09.12.2007
103	INDORE	D. B. CORP.	MY-FM	11.08.2007
104	ITANAGAR	POSITIVE RADIO	OOLALA FM	05.08.2008
105	JABALPUR	B.A.G. INFOTAINMENT	RADIO- DHAMAL	01.03.2008
106	JABALPUR	E.N.I.L.	RADIO- MIRCHI	15.02.2008
107	JABALPUR	SOUTH ASIA	S. FM	19.03.2008
108	JABALPUR	D. B. CORP.	MY-FM	15.02.2008
109	JAIPUR	E.N.I.L.	RADIO- MIRCHI	17.04.2006
110	JAIPUR	M.B.P.L.	RADIO-CITY	08.09.2006
111	JAIPUR	RAJASTHAN PATRIKA	RADIO- TADKA	15.08.2006
112	JAIPUR	SOUTH ASIA	S. FM	06.11.2006
113	JAIPUR	D. B. CORP.	MY-FM	28.05.2006
114	JALANDHAR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	14.04.2007
115	JALANDHAR	E.N.I.L.	RADIO- MIRCHI	24.04.2007
116	JALANDHAR	SHRI PURAN MULTIMEDIA	MANTRA FM	14.04.2007
117	JALANDHAR	D. B. CORP.	MY-FM	19.04.2007
118	JALGOAN	B.A.G. INFOTAINMENT	RADIO- DHAMAL	22.04.2008
119	JALGOAN	M.B.P.L.	RADIO-CITY	21.05.2008
120	JAMMU	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	07.12.2006
121	JAMSHED PUR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	07.11.2007

Annexure 5.2 (Contd.)

S.NO.	CITY	NAME OF THE COMPANY	CHANNEL IDENTITY	DATE OF OPERATIONALISATION
122	JAMSHED PUR	SOUTH ASIA	S. FM	13.04.2008
123	JAMSHED PUR	NEUTRAL PUBLICATION	DHOOM FM	18.07.2008
124	JHANSI	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	19.01.2007
125	JODHPUR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	14.12.2007
126	JODHPUR	TV TODAY BROADCASTING LTD	RADIO- MEOW	01.06.2008
127	JODHPUR	D. B. CORP.	MY-FM	20.12.2007
128	KANNUR	ASIANET RADIO PVT. LTD.	BEST FM	13.01.2008
129	KANNUR	KAL RADIO	S. FM	12.03.2008*
130	KANNUR	MALAYALLA MANORAMA	MANGO FM	30.12.2007
131	KANNUR	THE MATHRABHUMI	CLUB-FM	30.12.2007
132	KANPUR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	14.06.2007
133	KANPUR	E.N.I.L.	RADIO- MIRCHI	16.06.2007
134	KANPUR	SOUTH ASIA	S. FM	28.01.2008
135	KARNAL	B.A.G. INFOTAINMENT	RADIO- DHAMAL	18.06.2007
136	KARNAL	SHRI PURAN MULTIMEDIA	MANTRA FM	02.04.2007
137	KOCHI	KAL RADIO	S. FM	17.05.2008*
138	KOCHI	MALAYALLA MANORAMA	MANGO FM	18.05.2008
139	KOCHI	THE MATHRABHUMI	CLUB-FM	17.05.2008
140	KOLHAPUR	E.N.I.L.	RADIO- MIRCHI	18.09.2007
141	KOLHAPUR	PUDHARI PUBLICATION	TOMOTO FM	21.09.2007
142	KOTA	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	21.01.2008
143	KOTA	RAJASTHAN PATRIKA	RADIO- TADKA	25.02.2008
144	KOTA	D. B. CORP.	MY-FM	02.02.2008
145	KOZHIKKODE	KAL RADIO	S. FM	07.12.2007
146	KOZHIKKODE	MALAYALLA MANORAMA	MANGO FM	29.11.2007
147	LUCKNOW	E.N.I.L.	RADIO- MIRCHI	13.08.2007
148	LUCKNOW	M.B.P.L.	RADIO-CITY	10.12.2001
149	LUCKNOW	SOUTH ASIA	S. FM	06.11.2007
150	MADURAI	E.N.I.L.	RADIO- MIRCHI	28-09.2007
151	MADURAI	KAL RADIO	S. FM	05.10.2007
152	MADURAI	MALAR PUBLICATIONS	HELLO-FM	01.10.2007
153	MANGALORE	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	24.11.2007
154	MANGALORE	E.N.I.L.	RADIO- MIRCHI	24.11.2007
155	MANGALORE	KAL RADIO	S. FM	21.02.2008
156	MUZAFFARPUR	B.A.G. INFOTAINMENT	RADIO- DHAMAL	01.08.2007
157	mysore	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	14.10.2007
158	mysore	KAL RADIO	S. FM	07.12.2007
159	NAGPUR	E.N.I.L.	RADIO- MIRCHI	18.10.2007
160	NAGPUR	M.B.P.L.	RADIO-CITY	21.10.2007
161	NAGPUR	SOUTH ASIA	S. FM	04.05.2008
162	NAGPUR	D. B. CORP.	MY-FM	21.10.2007
163	NANDED	M.B.P.L.	RADIO-CITY	15.05.2008
164	NASIK	E.N.I.L.	RADIO- MIRCHI	06.07.2007

Annexure 5.2 (Contd.)

S.NO.	CITY	NAME OF THE COMPANY	CHANNEL IDENTITY	DATE OF OPERATIONALISATION
165	NASIK	SOUTH ASIA	S. FM	16.04.2008
166	PANAJI	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	22.05.2007
167	PANAJI	E.N.I.L.	RADIO- MIRCHI	22.05.2007
168	PANAJI	INDIA RADIO VENTURES	RADIO INDIGO	25.06.2007
169	PATIALA	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	01.08.2007
170	PATIALA	B.A.G. INFOTAINMENT	RADIO- DHAMAL	18.06.2007
171	PATIALA	TV TODAY BROADCASTING LTD	RADIO- MEOW	01.06.2008
172	PATNA	E.N.I.L.	RADIO- MIRCHI	02.04.2007
173	PUDUCHERRY (UT)	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	01.12.2007
174	PUDUCHERRY (UT)	KAL RADIO	S. FM	20.12.2007
175	PUDUCHERRY (UT)	MALAR PUBLICATIONS	HELLO-FM	22.12.2007
176	PUNE	E.N.I.L.	RADIO- MIRCHI	18.10.2002
177	PUNE	M.B.P.L.	RADIO-CITY	06.04.2008
178	PUNE	RADIO-ONE LTD.	RADIO-ONE [1]	12.05.2008
179	PUNE	SOUTH ASIA	S. FM	22.07.2008
180	RAIPUR	E.N.I.L.	RADIO- MIRCHI	11.01.2008
181	RAIPUR	RAJASTHAN PATRIKA	RADIO- TADKA	10.02.2009
182	RAIPUR	RANEKA FINCOM	RANGILA 104.8	15.01.2008
183	RAIPUR	D. B. CORP.	MY-FM	16.01.2008
184	RAJAHMUNDRY	KAL RADIO	S. FM	19.01.2008
185	RAJKOT	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	13.06.2007
186	RAJKOT	E.N.I.L.	RADIO- MIRCHI	13.06.2007
187	RAJKOT	SOUTH ASIA	S. FM	18.04.2008
188	RANCHI	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	24.10.2007
189	RANCHI	B.A.G. INFOTAINMENT	RADIO- DHAMAL	15.11.2007
190	RANCHI	SHRI PURAN MULTIMEDIA	MANTRA FM	27.10.2007
191	RANCHI	NEUTRAL PUBLICATION	DHOOM FM	18.07.2008
192	ROURKELA	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	06.01.2008
193	ROURKELA	EASTERN MEDIA	RADIO- CHOCOLATE	22.01.2008
194	SANGLI	M.B.P.L.	RADIO-CITY	08.02.2008
195	SANGLI	PUDHARI PUBLICATION	TOMOTO FM	21.09.2009
196	SHILLONG	SOUTH ASIA	S. FM	13.06.2008
197	SHIMLA	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	25.06.2009
198	SHIMLA	TV TODAY BROADCASTING LTD	RADIO- MEOW	01.10.2009
199	SHIMLA	B.A.G. INFOTAINMENT	RADIO- DHAMAL	30.11.2009
200	SHOLAPUR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	08.11.2007
201	SHOLAPUR	M.B.P.L.	RADIO-CITY	14.11.2007
202	SILIGURI	PCM CEMMENTS	MISTY FM	14.11.2007
203	SILIGURI	SYNTECH INFORMATICS	HIGH FM	24.11.2007
204	SILIGURI	SOUTH ASIA	S. FM	25.10.2008

Annexure 5.2 (Contd.)

S.NO.	CITY	NAME OF THE COMPANY	CHANNEL IDENTITY	DATE OF OPERATIONALISATION
205	SRI-NAGAR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	10.12.2006
206	SURAT	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	29.08.2007
207	SURAT	E.N.I.L.	RADIO- MIRCHI	21.08.2007
208	SURAT	D. B. CORP.	MY-FM	27.08.2007
209	SURAT	M.B.P.L.	RADIO-CITY	22.08.2007
210	THIRUVANANTHA-PURAM	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	29.01.2008
211	THIRUVANANTHA-PURAM	E.N.I.L.	RADIO- MIRCHI	29.01.2008
212	THIRUVANANTHA-PURAM	KAL RADIO	S. FM	06.02.2008
213	THIRUVANANTHA-PURAM	THE MATHRABHUMI	CLUB-FM	29.01.2008
214	THRISSUR	ASIANET RADIO PVT. LTD.	BEST FM	23.12.2007
215	THRISSUR	KAL RADIO	S. FM	26.12.2007
216	THRISSUR	MALAYALLA MANORAMA	MANGO FM	14.12.2007
217	THRISSUR	THE MATHRABHUMI	CLUB-FM	14.12.2007
218	TIRUCHI	KAL RADIO	S. FM	17.01.2008
219	TIRUCHI	MALAR PUBLICATIONS	HELLO-FM	14.01.2008
220	TIRUNELVELI	MALAR PUBLICATIONS	HELLO-FM	13.10.2007
221	TIRUNELVELI	SUN TV	SURYANA FM	07.03.2003
222	TIRUPATI	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	01.08.2007
223	TIRUPATI	KAL RADIO	S. FM	27.08.2007
224	TUTICORIN	KAL RADIO	S. FM	05.10.2007
225	TUTICORIN	MALAR PUBLICATIONS	HELLO-FM	15.10.2007
226	UDAIPUR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	03.08.2007
227	UDAIPUR	RAJASTHAN PATRIKA	RADIO- TADKA	27.08.2007
228	UDAIPUR	D. B. CORP.	MY-FM	07.07.2007
229	VADODARA	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	05.06.2007
230	VADODARA	E.N.I.L.	RADIO- MIRCHI	05.06.2007
231	VADODARA	M.B.P.L.	RADIO-CITY	11.06.2007
232	VADODARA	SOUTH ASIA	S. FM	17.04.2008
233	VARANASI	E.N.I.L.	RADIO- MIRCHI	14.07.2007
234	VARANASI	SHRI PURAN MULTIMEDIA	MANTRA FM	20.07.2007
235	VARANASI	SOUTH ASIA	S. FM	29.12.2007
236	VIJAYWADA	E.N.I.L.	RADIO- MIRCHI	11.12.2007
237	VIJAYWADA	KAL RADIO	S. FM	25.12.2007
238	VISHAKAPATNAM	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	27.10.2007
239	VISHAKAPATNAM	E.N.I.L.	RADIO- MIRCHI	26.10.2007
240	VISHAKAPATNAM	M.B.P.L.	RADIO-CITY	29.10.2007
241	VISHAKAPATNAM	UDAYA TV	VISAKHA FM	06.02.2003
242	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.,**
3rd 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.**
3rd 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 (UP) - 201 306
PH: 0120-6141000

Annexure 5.4: List of permitted teleports at various locations in India

[As on 20/03/2013]

Sr. No	Name of Teleport	Address	Location	Date of Permission
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	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 ASC Enterprises 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

Annexure 5.4 (Contd.)

Sr.No	Name of Teleport	Address	Location	Date of Permission
19	TELEVISION EIGHTEEN INDIA LIMITED	EMPIRE COMPLEX, 414, SENAPATI BAPAT MARG, LOWER PAREL, MUMBAI-400013	MUMBAI	19-Mar-04
20	AMRITA ENTERPRISES PVT. LTD.	TCNO.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
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. CHANDRAGIRI 61, 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

Annexure 5.4 (Contd.)

Sr.No	Name of Teleport	Address	Location	Date of Permission
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 BHUBANESWER-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
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

Annexure 5.4 (Contd.)

Sr.No	Name of Teleport	Address	Location	Date of Permission
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 BENGAL	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.	13 TH MILE TAMULIKUCHI BYRNIGHAT 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
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 GAUR MARG, SRINIVAS PURI, NEW DELHI-110065	NEW DELHI	3-Jun-09

Annexure 5.4 (Contd.)

Sr.No	Name of Teleport	Address	Location	Date of Permission
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, SECTOR-16A, 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
88	Lamha Satellite Services Ltd	TOWER-I, 6TH FLOOR, INTERNATIONAL INFOTECH PARK, ABOVE VASI RAILWAY STATION, VASI, NAVI MUMBAI-400703.	MUMBAI	13-Feb-12
89	Skyline Tele Media Services Ltd.	FC-23, SECTOR-16A, FILM CITY, NOIDA-201305	NOIDA-2	02-Jul-12
90	Bharti Teleports Limited	Plot No 192, Block B, Phase II, NOIDA - 201 305	NOIDA-2	29-Oct-12

Source: Ministry of Information & Broadcasting

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