



Telecom Regulatory Authority of India

The Indian Telecom Services Performance Indicators October - December 2009

New Delhi, India
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Snapshot

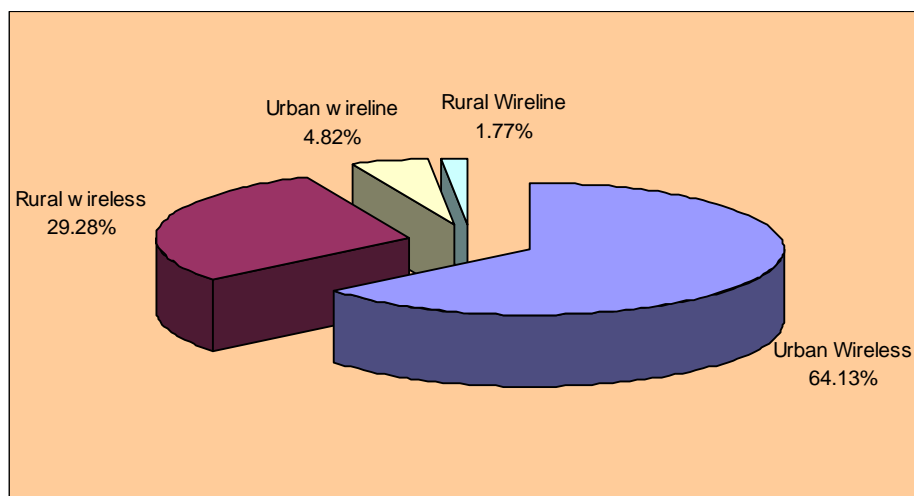
(Data As on 31st December 2009)	
Telecom Subscribers (Wireless + Wireline)	
Total Subscribers	562.16 Million
% change over the previous quarter	10.4%
Urban Subscribers	387.63 Million (69.0%)
Rural Subscribers	174.53 Million (31.0%)
Teledensity	47.88
Urban Teledensity	110.96
Rural Teledensity	21.16
Wireless Subscribers	
Total Wireless Subscribers	525.09 Million
% change over the previous quarter	11.31%
Urban Subscribers	360.52 Million (68.7%)
Rural Subscribers	164.57 Million (31.3%)
GSM Subscribers	421.58 Million (80.3%)
CDMA Subscribers	103.51 Million (19.7%)
Teledensity	44.72
Urban Teledensity	103.20
Rural Teledensity	19.95
Wireline Subscribers	
Total Wireline Subscribers	37.06 Million
% change over the previous quarter	-0.65%
Urban Subscribers	27.11 Million (73.1%)
Rural Subscribers	9.95 Million (26.9%)
Teledensity	3.16
Urban Teledensity	7.76
Rural Teledensity	1.21
Village Public Telephones (VPT)	0.57 Million
Public Call Office (PCO)	5.52 Million
Internet & Broadband Subscribers	
Total Internet Subscribers	15.24 Million
% change over the previous quarter	4.21%
Broadband Subscribers	7.82 Million

Broadcasting & Cable Services	
Total Number of Registered Channels with I&B Ministry	485
Number of Pay Channels	142
Number of private FM Radio Stations	248
DTH Subscribers	19.1 Million
Number of Set Top Boxes in CAS areas	745,953
Telecom Financial Data (for the QE Dec-09)	
Gross Revenue during the quarter	Rs. 39,756.64 Crore
% change in GR over the previous quarter	2.32%
Share of Public sector undertaking's in GR	22.61%
Adjusted Gross Revenue (AGR)	Rs. 29,125.67 Crores
% change in AGR over the previous quarter	0.04%
Revenue & Usage Parameters (for the QE Dec-09)	
Average Revenue Per User (ARPU) GSM	Rs. 144
Average Revenue Per User (ARPU) CDMA	Rs. 82
Minutes of Usage (MOU) GSM	411 Minutes
Minutes of Usage (MOU) CDMA	318 Minutes
Minutes of Usage for Internet Telephony	120.48 Million

Executive Summary & Trends at a Glance

1. The number of telephone subscribers in India increased from 509.03 Million at the end of Sep-09 to 562.16 Million at the end of Dec-09, registering a growth of 10.4%. The overall Teledensity in India has reached 47.88 as on 31st December 2009.
2. Subscription in Urban Areas grew from 357.22 Million at the end of Sep-09 to 387.63 Million at the end of Dec-09, taking the urban Teledensity from 102.79 to 110.96. Rural subscription increased from 151.81 Million to 174.53 Million leading to increase in Rural Teledensity from 18.46 to 21.16, during this period.
3. About 57% of the total net additions have been in urban areas as compared to 65% in the previous quarter. This in other words, imply rapid increase in rural subscriptions during the quarter. However, this uptake in rural subscription is in wireless segment. The share of rural subscribers has increased to 31% in total subscription from 29.8% in Sep-09.

Composition of Telephone Subscribers



4. With 53.37 Million net additions during the Quarter, Total Wireless (GSM + CDMA) subscriber base increased to 525.09 Million at the end of Dec-09, and wireless Tele-density reached 44.72.
5. Wireline subscriber base declined from 37.31 million in Sep-09 to 37.06 Million at the end of Dec-09, bringing down the wireline teledensity to 3.16 from 3.19 in Sep-09
6. Internet subscribers increased from 14.63 million to 15.24 million at the end of December 2009 registering a quarterly growth rate of 4.21%. Top 10 ISPs together hold 95.93% of the total Internet subscriber base.
7. Share of Broadband subscription in total Internet subscription increased from 49.3% in Sep-09 to 51.3% in Dec-09. 86.54% of the Broadband subscribers are using Digital Subscriber Line (DSL) technology.
8. Average Revenue Per User (ARPU) for GSM-Full Mobility service declined by 12.4%, from Rs. 164 in QE Sep-09 to Rs. 144 in QE Dec-09.
9. MOU per subscriber for GSM – Full mobility service declined by 2.82%, from 423 in QE Sep-09 to 411 in QE Dec-09. The outgoing MOUs declined by 2.67% and incoming by 2.96%.
10. ARPU for CDMA – Full mobility service declined by 7%, from Rs. 89 in QE Sep-09 to Rs. 82 in QE Dec-09.

11. MOU per subscriber for CDMA-full mobility service increased by 3.2% from 308 (QE Sep-09) to 318 (QE Dec-09). The Outgoing MOUs increased by 4.04% and Incoming MOUs by 2.5%.
12. Gross Revenue (GR) and Adjusted Gross Revenue (AGR) of Telecom Sector for the QE Dec-09 has been Rs 39,756.64 Crore and Rs. 29,125.67 Crore respectively. There has been an increase of 2.32% and 0.04%, as compared to previous quarter, in GR & AGR respectively.
13. Average licence fee as percentage of AGR is 8.34% in Dec-09 as against 8.41% in previous quarter.
14. The performance of wireline service providers improved as compared to the previous quarter, in respect of the following parameters:
 - a. Fault incidences per 100 subs/month
 - b. Answer to Seizure Ratio (ASR)
 - c. Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark)
 - d. Metering and billing credibility - post paid
 - e. Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of complaints
 - f. Accessibility of call centre/ customer care
 - g. %age of calls answered by the operators (voice to voice) within 60 sec.

15. The wireline service performance has deteriorated in this quarter, as compared to the previous quarter in respect of following parameters:
 - a. % Fault repaired by next working day
 - b. % Fault repaired within 3 days
 - c. % Fault repaired within 5 days
 - d. Mean Time to Repair (MTTR)
 - e. Resolution of billing/charging/Credit & validity complaints
 - f. Termination / Closure of service 100% within 7 days

16. The performance of the Basic Telephone Service (Wireline) Service Providers is at same level as compared to the previous quarter in respect of the parameter of “Call completion rate (in local network)” and “Time Taken for Refund of deposits after closures”.

17. The performance of the wireless service providers improved in this quarter in respect of the following parameters:
 - a. BTSs Accumulated downtime (not available for service)
 - b. Worst affected BTSs due to downtime
 - c. Call Set-up Success Rate (within licensee's own network)
 - d. SDCCH/ Paging Chl. Congestion
 - e. Call Drop Rate
 - f. Worst affected cells having more than 3% TCH drop (call drop) rate
 - g. Connection with good voice quality
 - h. Accessibility of call centre/ customer care
 - i. %age of calls answered by the operators (voice to voice) within 60 sec.

- j. %age requests for Termination / Closure of service complied within 7 days
18. The performance of the wireless service providers has deteriorated in this quarter as compared to the previous quarter in respect of the following parameters:-
- a. Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark)
 - b. Metering and billing credibility - pre paid
 - c. Resolution of billing/charging/validity complaints
 - d. Time taken for refund of deposits after closures
19. The performance of the Cellular Mobile Telephone Service Providers is at same level as compared to the previous quarter in respect of the parameter of TCH Congestion, Metering and billing credibility - post paid and Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of complaints.
20. Total Number of channels registered with Ministry of I&B increased from 472 in Sep-09 to 485 in Dec-09. There are 142 pay TV channels in existence as reported by 23 broadcasters/their distributors at the Quarter ending Dec-09.
21. Maximum number of TV channels being carried by any of the reported MSOs is 253 whereas in the conventional analogue form, maximum number of channels being carried by the reported MSOs is 100 channels.

22. The number of private FM Radio stations in operation remained as 248 at the end of Dec-09.
23. Besides the free DTH service of Doordarshan, there are 6 private DTH licensees. All the 6 DTH licensees are offering pay DTH services to the customers as on 31.12.2009 and their reported subscriber base is 19.1 million.
24. Number of Set Top Boxes (STBs) installed in CAS notified areas of Delhi, Mumbai, Kolkata and Chennai increased from 7,34,016 in Sep-09 to 7,45,953 in Dec-09.

Trends at a Glance

A. Wireline & Wireless Services

	QE Dec 2008	QE Mar 2009	QE Jun 2009	QE Sep 2009	QE Dec 2009	%age change over Dec 2008	%age change over Mar 2009	%age change over Jun 2009	%age change over Sep 2009
						(12 months)	(9months)	(6 months)	(3 months)
1) Subscriber's Base (in million)									
i) Wireline	37.9	37.96	37.53	37.31	37.06	-2.21%	-2.36%	-1.24%	-0.65%
ii) Wireless	346.89	391.76	427.29	471.73	525.09	51.37%	34.03%	22.89%	11.31%
Total	384.79	429.72	464.82	509.03	562.16	46.09%	30.82%	20.94%	10.44%
Rural	103.83	122.21	136.27	151.82	174.53	68.09%	42.81%	28.07%	14.96%
Urban	280.96	307.51	328.55	357.22	387.63	37.97%	26.05%	17.98%	8.51%
2) Traffic (MOU) (minutes of use/ sub/month)									
Wireless - full mobility									
i) GSM	496	484	454	423	411	-17.0%	-14.9%	-9.3%	-2.8%
ii) CDMA	371	357	342	308	318	-14.2%	-10.7%	-7.0%	3.2%
3) ARPU (Rs./sub/ month)									
Wireless - full mobility									
i) GSM	220	205	185	164	144	-34.7%	-30.1%	-22.3%	-12.4%
ii) CDMA	111	99	92	89	82	-25.9%	-16.8%	-10.5%	-7.0%
4) Teledensity									
Population in million (Estimated)									
	1158	1162	1166.1	1170	1174				
i) Wireline teledensity	3.27	3.27	3.1992	3.19	3.16	-3.46%	-3.46%	-1.32%	-0.99%
ii) Wireless teledensity	29.96	33.71	36.642	40.31	44.72	49.28%	32.67%	22.05%	10.94%
Total Teledensity	33.23	36.98	39.84	43.50	47.88	44.09%	29.48%	20.18%	10.06%
Rural teledensity	12.72	14.93	16.61	18.46	21.16	66.33%	41.69%	27.41%	14.66%
Urban teledensity	82.15	89.44	95.05	102.79	110.96	35.06%	24.06%	16.74%	7.94%

B. Wireline and Wireless Subscriber Base

(i) Wireline Subscribers Base (in Million)									
Service Provider	QE Dec 2008	QE Mar 2009	QE Jun 2009	QE Sep 2009	QE Dec 2009	%age change over Dec 2008	%age change over Mar 2009	%age change over Jun 2009	%age change over Sep 2009
						(12 months)	(9 months)	(6 months)	(3 months)
BSNL	29.5	29.34	28.79	28.45	28.10	-4.76%	-4.24%	-2.41%	-1.23%
MTNL	3.53	3.57	3.55	3.51	3.49	-1.10%	-2.21%	-1.66%	-0.66%
Bharti	2.61	2.73	2.83	2.93	2.99	14.50%	9.47%	5.60%	2.06%
Reliance	1.07	1.11	1.13	1.15	1.16	8.86%	4.94%	3.08%	1.09%
Tata	0.87	0.92	0.95	1.00	1.10	26.80%	19.91%	16.12%	9.96%
HFCL	0.16	0.16	0.16	0.17	0.17	5.48%	5.48%	5.48%	1.68%
Sistema	0.16	0.13	0.11	0.10	0.05	-67.70%	-60.24%	-53.01%	-45.70%
Total	37.9	37.96	37.53	37.31	37.06	-2.21%	-2.36%	-1.24%	-0.65%

(ii) Wireless Subscriber Base (in Million)									
Service Provider	QE Dec 2008	QE Mar 2009	QE Jun 2009	QE Sep 2009	QE Dec 2009	%age change over Dec 2008	%age change over Mar 2009	%age change over Jun 2009	%age change over Sep 2009
						(12 months)	(9 months)	(6 months)	(3 months)
Bharti	85.65	93.92	102.37	110.51	118.86	38.78%	26.56%	16.11%	7.56%
Reliance	61.34	72.67	79.616	86.12	93.80	52.91%	29.07%	17.81%	8.92%
Vodafone	60.93	68.77	76.45	82.85	91.40	50.01%	32.91%	19.56%	10.33%
BSNL	46.23	52.15	54.365	58.76	62.86	35.97%	20.54%	15.63%	6.99%
Tata	31.76	35.12	37.122	46.80	57.33	80.51%	63.24%	54.44%	22.51%
Idea/Spice	38.01	43.02	47.089	51.45	57.61	51.57%	33.92%	22.35%	11.97%
Aircel/Dishnet	16.08	18.48	21.799	25.73	31.02	92.94%	67.88%	42.32%	20.58%
MTNL	4.19	4.48	4.6059	4.68	4.88	16.37%	8.84%	5.86%	4.18%
Loop	1.95	2.16	2.3056	2.50	2.65	35.88%	22.67%	14.92%	6.20%
HFCL	0.38	0.39	0.3842	0.38	0.34	-10.04%	-12.34%	-11.02%	-9.95%
Sistema	0.37	0.6	1.1891	1.96	2.99	707.32%	397.84%	151.20%	52.36%
Unitech	-	-	-	-	1.21	-	-	-	-
S Tel	-	-	-	-	0.14	-	-	-	-
Total	346.9	391.76	427.3	471.73	525.09	51.37%	34.03%	22.89%	11.31%

C. Internet & Broadband Services

	QE Dec 2008	QE Mar 2009	QE Jun 2009	QE Sep 2009	QE Dec 2009	%age change over Dec 2008	%age change over Mar 2009	%age change over Jun 2009	%age change over Sep 2009
						(12 months)	(9 months)	(6 months)	(3 months)
1) Subscriber's Base (in million)									
i) Internet (excluding Internet access by wireless phone subscribers)	12.86	13.54	14.05	14.63	15.24	18.56%	12.60%	8.48%	4.21%
ii) Wireless Data subscribers	101.1	117.82	126.97	127.04	149.03	47.41%	26.49%	17.37%	17.31%
iii) Broadband Connections (>=256 Kbps download speed)	5.52	6.22	6.62	7.21	7.82	41.71%	25.76%	18.16%	8.49%
2) Minutes of Use (Dialup Internet) (MOU/subs/month)	319	328	353	334	324	1.68%	-1.06%	-8.25%	-3.09%

Introduction

This Report presents the Key Parameters and growth trends for the Telecom Services in India for the quarter ending December 2009. This report provides a broad perspective on the Telecom Services to serve as a reference document for various stakeholders, research agencies and analysts. The Executive Summary of various Telecom Services has been given in the beginning, followed by 'Performance Indicators at a Glance'. Chapter-1 deliberates the growth pattern, in terms of Subscriber base and teledensity, of Wireline, Wireless, Internet and Value Added Services (VAS). Chapter-2 covers the key Revenue and usage parameters. Chapter-3 gives the financial and accounting data. Chapter-4 covers performance of various service providers in terms of QoS. The information relating to Cable TV, DTH & Radio Broadcast services is provided in Chapter-5.

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

Chapter 1: Subscription Data

Section A: Access Service – An Overview

The number of telephone subscribers in India increased from 509.03 Million in Sep-09 to 562.16 Million at the end of Dec-09, registering a growth rate of 10.4%. The overall Teledensity in India has reached 47.88 as on 31st December 2009.

Chart 1.1: Trends in Telephone Subscribers and Teledensity in India

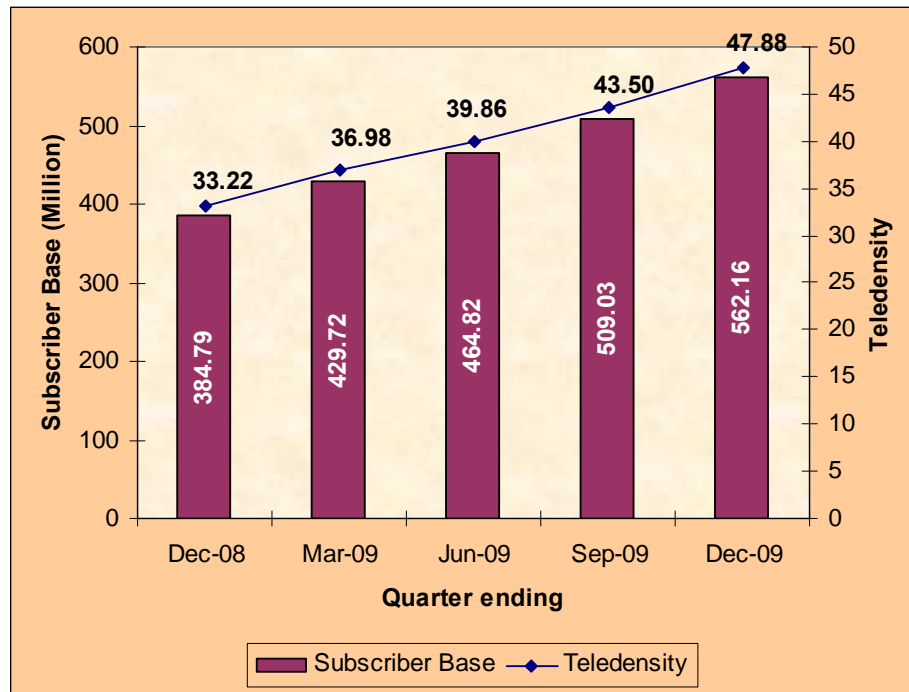


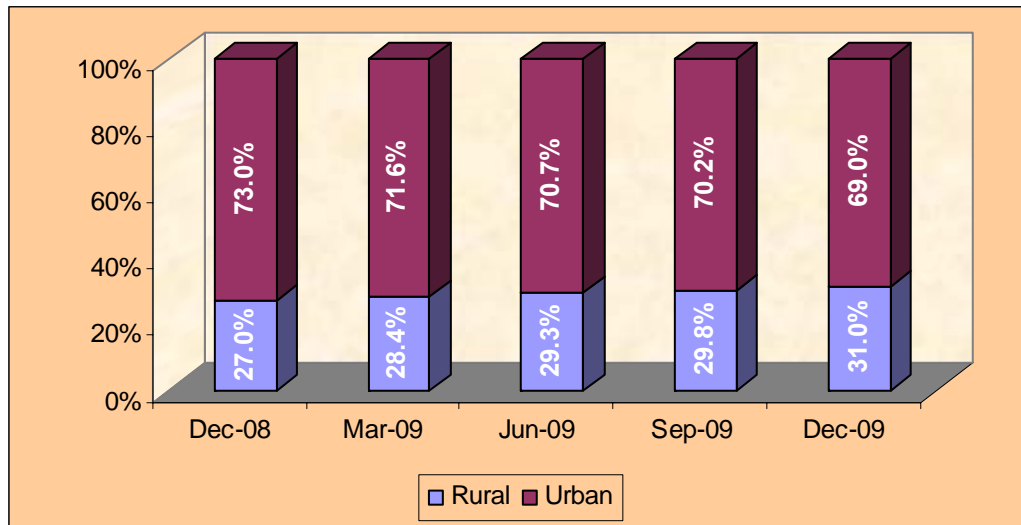
Table 1.1: Subscriber Base & Teledensity – Rural & Urban

Quarter ending	Subscriber Base (Million)		Teledensity	
	Rural	Urban	Rural	Urban
Dec-08	103.83	280.96	12.72	82.15
Mar-09	122.21	307.51	14.93	89.44
Jun-09	136.27	328.55	16.61	95.05
Sep-09	151.81	357.22	18.46	102.79
Dec-09	174.53	387.63	21.16	110.96

1.2 Subscription in Urban Areas grew from 357.22 Million in Sep-09 to 387.63 Million in Dec-09, taking the urban Teledensity from 102.79 to 110.96. Rural subscription increased from 151.81 Million to 174.53 Million, and the increase in Rural Teledensity is from 18.46 to 21.16.

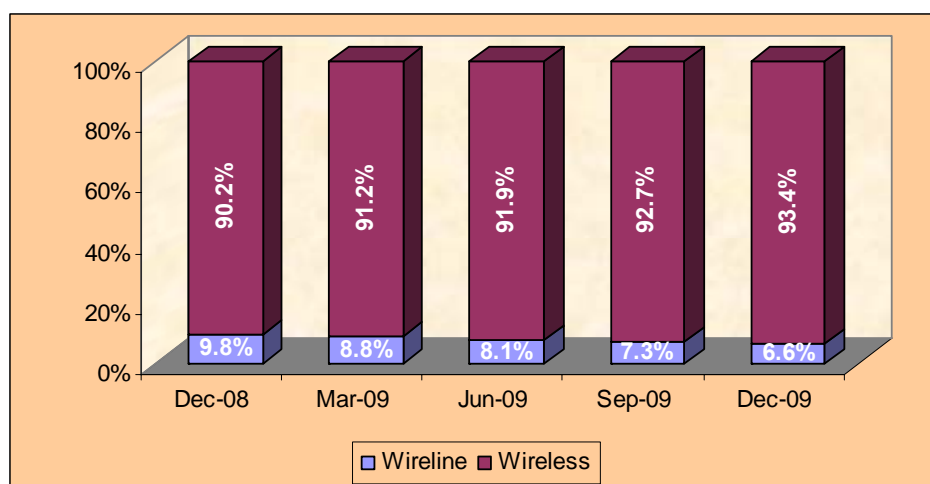
1.3 Rural subscription showed an increase in rate of growth, from 11.4% in Sep-09 to 15.0% in Dec-09. Urban subscription grew at the rate of 8.5% as against 8.7% in the previous quarter. This in other words, implies rapid increase in rural subscriptions during the quarter. However, this uptake in rural subscriptions is in wireless segment.

Chart 1.2: Market Share - Rural & Urban



1.4 Share of rural areas in total subscription has increased to 31%.

Chart 1.3: Composition of Access subscription – Wireline & Wireless



1.5 The dominance of wireless segment in access services is steadily growing

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

Service Area	Subscribers (Million)			
	Sep-09	Dec-09	Net Additions	Rate of change
U.P.(E)	34.86	39.68	4.82	13.8%
Bihar	28.82	33.17	4.35	15.1%
Andhra Pradesh	39.60	43.89	4.29	10.8%
T.N. (incl. Chennai)	49.07	53.17	4.10	8.4%
Karnataka	31.62	35.50	3.88	12.3%
Maharashtra	39.43	43.02	3.59	9.1%
U.P.(W)	24.97	28.47	3.49	14.0%
Madhya Pradesh	26.53	29.89	3.36	12.7%
Rajasthan	29.34	32.22	2.88	9.8%
W.B.	20.17	22.68	2.50	12.4%
Kerala	23.65	25.69	2.04	8.6%
Delhi	27.47	29.38	1.90	6.9%
Mumbai	25.36	27.21	1.85	7.3%
Gujarat	29.54	31.37	1.82	6.2%
Kolkata	14.86	16.55	1.69	11.4%
Punjab	18.35	20.03	1.68	9.2%
Orissa	12.10	13.57	1.46	12.1%
Haryana	12.25	13.59	1.34	10.9%
Assam	7.35	8.11	0.76	10.3%
Himachal Pradesh	4.37	4.83	0.46	10.5%
North East	4.49	4.94	0.45	10.1%
J&K	4.82	5.22	0.40	8.3%
All India	509.03	562.16	53.12	10.4%

Table 1.3: Service Area wise Teledensity as on 31st December 2009

Service Area	Rural Teledensity	Urban Teledensity	Total Teledensity
Andhra Pradesh	22.24	131.10	52.36
Assam	16.37	88.03	26.91
Bihar	12.26	114.02	26.09
Delhi	-	-	164.56
Gujarat	30.13	88.48	53.44
Haryana	36.09	91.66	54.47
Himachal Pradesh	49.42	256.22	71.94
J&K	23.04	106.38	45.20
Karnataka	21.14	128.01	60.48
Kerala	42.05	169.92	74.79
Madhya Pradesh	12.54	84.77	31.55
Maharashtra	28.96*	101.66*	62.38*
Mumbai			
North East	21.59	90.47	38.01
Orissa	17.51	115.00	33.64
Punjab	39.37	114.71	69.87
Rajasthan	28.71	111.31	48.40
T.N. (incl Chennai)	35.05	115.11	77.90
U.P.(E)	14.25*	99.10*	33.01*
U.P.(W)			
Kolkata	21.07*	101.08*	43.77*
W.B.			
All India	21.16	111.55	47.88

* 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 1.4: Growth in Subscribers

Service Provider	Sep-09	Dec-09	Net Additions	Rate of Growth	Market Share - Sep-09	Market Share - Dec-09
Bharti	113.44	121.85	8.41	7.4%	22.3%	21.7%
Reliance	87.27	94.96	7.69	8.8%	17.1%	16.9%
Vodafone	82.85	91.40	8.56	10.3%	16.3%	16.3%
BSNL	87.20	90.96	3.75	4.3%	17.1%	16.2%
Tata	47.80	58.43	10.63	22.2%	9.4%	10.4%
IDEA/Spice	51.45	57.61	6.16	12.0%	10.1%	10.2%
Aircel/Dishnet	25.73	31.02	5.30	20.6%	5.1%	5.5%
MTNL	8.19	8.37	0.17	2.1%	1.6%	1.5%
Sistema	2.06	3.04	0.98	47.8%	0.4%	0.5%
Loop Mobile	2.50	2.65	0.15	6.2%	0.5%	0.5%
Unitech	-	1.21	1.21	-	-	0.2%
HFCL	0.55	0.51	-0.04	-6.4%	0.1%	0.1%
S Tel	-	0.14	0.14	-	-	0.0%
Total	509.03	562.16	53.12	10.4%		

1.6 Bharti is the leading operator in Access segment in terms of number of subscribers, followed by Reliance.

Table 1.5: Subscribers (Rural & Urban) & Market share

Service Provider	Subscribers as on Dec-09 (in millions)	Rural Subscribers (in millions)	Percentage of rural subscribers	Market share of Rural subscribers
Bharti	121.85	43.24	35.5%	24.8%
BSNL	90.96	32.33	35.5%	18.5%
Vodafone	91.40	30.39	33.2%	17.4%
IDEA/Spice	57.61	26.08	45.3%	14.9%
Reliance	94.96	19.19	20.2%	11.0%
Aircel/Dishnet	31.02	11.69	37.7%	6.7%
Tata	58.43	10.81	18.5%	6.2%
Unitech	1.21	0.41	33.9%	0.2%
Sistema	3.04	0.39	12.8%	0.2%
HFCL	0.51	0.001	0.227%	0.001%
Loop Mobile	2.65	-	-	-
S Tel	0.14	-	-	-
MTNL	8.37	-	-	-
Total	562.16	174.53	31.0%	-

Section B: Wireless Service

Table 1.6: List of Cellular Mobile (GSM & CDMA) Service Providers currently providing service [As on 31st December 2009]

SLNo.	Service Provider	Area of Operation
1	Bharti	All India
2	Aircel Group	AP, TN, Karnataka, Assam, Bihar, Chennai, Delhi, HP, J&K, Kerala, Kolkata, MH, Mumbai, NE, Orissa, UP(E), UP(W) & WB
3	Reliance Communications	All India (except Assam & NE)
4	Reliance Telecom	Kolkata, MP, WB, HP, Bihar, OR, Assam & NE
5	Vodafone	All India
6	Tata Teleservices	All India
7	IDEA (Including Spice)	All India
8	Sistema Shyam Telelink	Kolkata, TN (incl. Chennai), Karnataka, Kerala, Rajasthan, Haryana, Maharashtra, Mumbai, Delhi, Bihar & WB
9	BSNL	All India (except Delhi & Mumbai)
10	MTNL	Delhi & Mumbai
11	Loop Telecom Private Ltd	Mumbai
12	HFCL	Punjab
13	Unitech	AP, Karnataka, TN (incl. Chennai), Kerala, UP(W), UP(E), Bihar & Orissa
14	S Tel	HP, Bihar & Orissa

Licensees who started services during this quarter:

- IDEA (Kolkata), WB, Assam, NE and J&K)
- Sistema (Delhi, Mumbai, MH, Karnataka and Haryana)
- Unitech (AP, Karnataka, TN (incl. Chennai), Kerala, UP(W), UP(E), Bihar and Orissa)
- S Tel (HP, Bihar and Orissa)

Complete list of licensed Cellular (GSM & CDMA) Service providers as on 31st December 2009 is at Annexure – 1.1

1.7 Total Wireless (GSM + CDMA) subscriber base increased from 471.73 Million at the end of Sep-09 to 525.09 Million at the end of Dec-09, thereby showing a growth of 11.3%. During this quarter 53.37 million subscribers were added. Wireless Teledensity increased from 40.31 to 44.72.

Chart 1.4: Wireless Subscriber Base and Teledensity

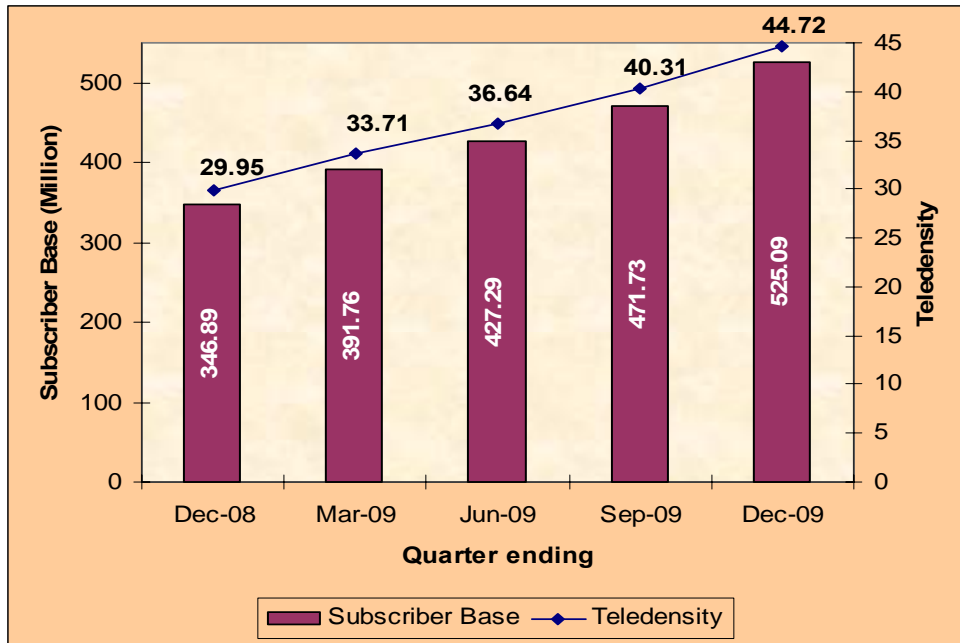


Table 1.7: Wireless Subscriber Base & Teledensity – Rural & Urban

Quarter ending	Subscriber Base (Million)		Teledensity	
	Rural	Urban	Rural	Urban
Dec-08	93.15	253.74	11.41	74.19
Mar-09	111.63	280.13	13.64	81.47
Jun-09	125.95	301.34	15.35	87.18
Sep-09	141.68	330.04	17.22	94.98
Dec-09	164.57	360.52	19.95	103.20

1.8 The rural Wireless subscribers increased from 141.68 Million in Sep-09 to 164.57 Million in Dec-09.

1.9 Rural subscription showed an increase in rate of growth, from 12.5% in QE Sep-09 to 16.2% in QE Dec-09. Urban subscription grew at the rate of 9.2% as against 9.5% in the previous quarter. The share of rural wireless subscription increased to 31.3% in total wireless subscription.

Chart 1.5: Wireless Market Share – Rural & Urban

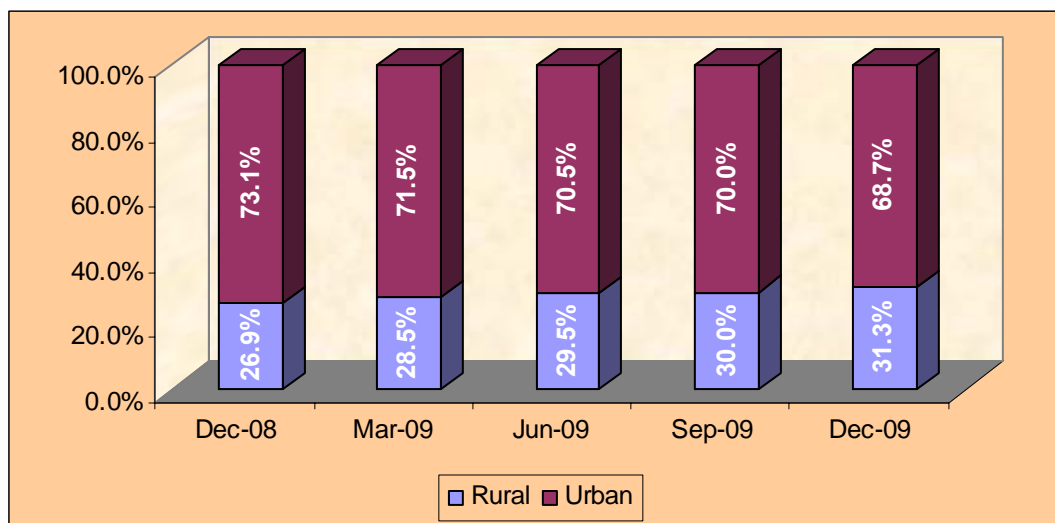


Table 1.8: Growth in Wireless Subscribers

Service Provider	Subscriber Base (Millions)			Rate of Growth	Market Share - Sep-09	Market Share - Dec-09
	Sep-09	Dec-09	Net Additions			
Bharti	110.51	118.86	8.35	7.6%	23.4%	22.6%
Reliance	86.12	93.80	7.68	8.9%	18.3%	17.9%
Vodafone	82.85	91.40	8.56	10.3%	17.6%	17.4%
BSNL	58.76	62.86	4.10	7.0%	12.5%	12.0%
IDEA/Spice	51.45	57.61	6.16	12.0%	10.9%	11.0%
Tata	46.80	57.33	10.53	22.5%	9.9%	10.9%
Aircel/Dishnet	25.73	31.02	5.30	20.6%	5.5%	5.9%
MTNL	4.68	4.88	0.20	4.2%	1.0%	0.9%
Sistema	1.96	2.99	1.03	52.4%	0.4%	0.6%
Loop Mobile	2.50	2.65	0.15	6.2%	0.5%	0.5%
Unitech	-	1.21	1.21	-	-	0.2%
HFCL	0.38	0.34	-0.038	-10.0%	0.1%	0.1%
S Tel	-	0.14	0.14	-	-	0.03%
Total	471.73	525.09	53.37	11.3%	-	-

Table 1.9: Service Area wise Wireless Subscribers

Service Area	Subscribers (Million)			
	Sep-09	Dec-09	Net Additions	Rate of Growth
U.P.(E)	33.38	38.19	4.81	14.4%
Bihar	27.43	31.79	4.35	15.9%
Andhra Pradesh	37.13	41.44	4.31	11.6%
T.N. (incl. Chennai)	45.45	49.58	4.13	9.1%
Karnataka	28.87	32.75	3.88	13.4%
Maharashtra	36.33	39.97	3.65	10.0%
U.P.(W)	23.65	27.14	3.49	14.8%
Madhya Pradesh	24.92	28.31	3.38	13.6%
Rajasthan	27.74	30.68	2.94	10.6%
W.B.	19.22	21.74	2.53	13.1%
Kerala	20.12	22.18	2.06	10.3%
Delhi	24.84	26.71	1.86	7.5%
Mumbai	22.46	24.30	1.84	8.2%
Gujarat	27.48	29.29	1.82	6.6%
Punjab	16.72	18.42	1.70	10.1%
Kolkata	13.33	15.02	1.69	12.7%
Orissa	11.48	12.95	1.47	12.8%
Haryana	11.42	12.77	1.35	11.9%
Assam	7.02	7.78	0.76	10.9%
Himachal Pradesh	4.01	4.47	0.47	11.6%
North East	4.16	4.62	0.46	11.1%
Jammu & Kashmir	4.58	4.99	0.40	8.8%
All India	471.73	525.09	53.37	11.3%

Table 1.10: Service Area wise Wireless Teledensity as on 31st December 2009

Service Area	Rural Teledensity	Urban Teledensity	Total Teledensity
Andhra Pradesh	20.93	123.94	49.43
Assam	16.01	82.72	25.82
Bihar	11.81	108.87	25.00
Delhi	-	-	149.59
Gujarat	28.69	81.81	49.91
Haryana	34.27	85.46	51.20
Himachal Pradesh	44.65	246.25	66.60
Jammu & Kashmir	22.53	100.32	43.21
Karnataka	19.59	117.92	55.78
Kerala	32.72	157.11	64.57
Madhya Pradesh	12.11	79.62	29.88
Maharashtra	27.42*	91.99*	57.11*
Mumbai			
North East	20.70	82.77	35.50
Orissa	16.82	109.25	32.12
Punjab	36.11	105.61	64.25
Rajasthan	27.66	104.97	46.09
T.N. (incl. Chennai)	32.77	107.25	72.63
U.P.(E)	13.85*	94.35*	31.65*
U.P.(W)			
Kolkata	20.35*	93.22*	41.02*
W.B.			
All India	19.95	103.20	44.72

* Population data/projections are available state-wise only

Notes:

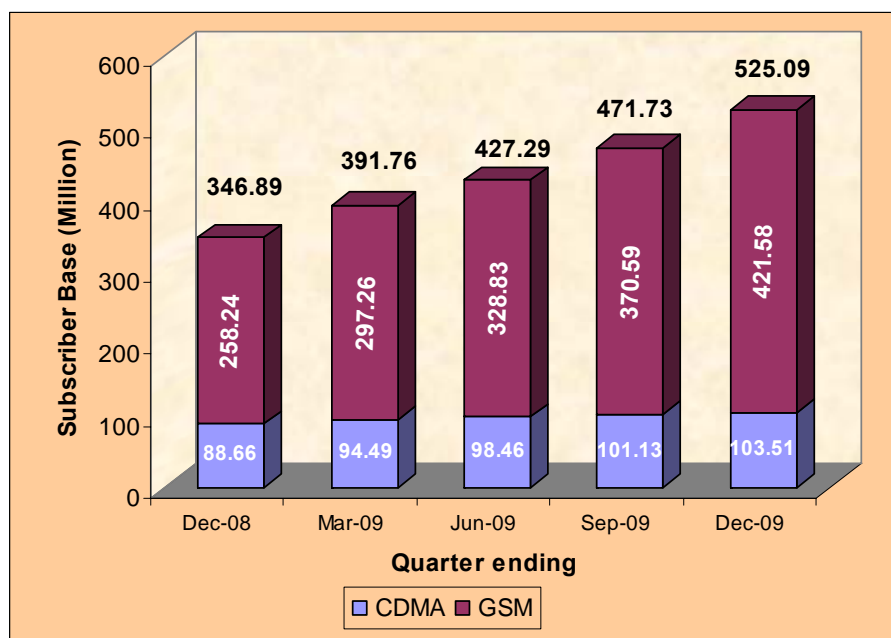
1. Teledensity figures are derived from the subscriber data provided by the operators and the population projections, for urban and rural areas, of the country, published by the Office of the Registrar General & Census Commissioner, India.
2. Delhi service area, apart from the state of Delhi, includes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

Table 1.11: Rural Subscribers and Market Share

Service Provider	Subscribers as on Dec-09 (in millions)	Rural Subscribers (in millions)		Percentage Rural subscribers		Market Share of Rural Subscribers	
		Dec. 09	Sept.09	Dec. 09	Sept.09	Dec 09	Sept 09
Bharti	118.86	43.24	38.45	36.38	34.79	26.28	27.14
Reliance	93.80	19.19	17.52	20.45	20.35	11.66	12.37
Vodafone	91.40	30.39	27.29	33.24	32.94	18.46	19.26
BSNL	62.86	22.42	20.92	35.66	35.61	13.62	14.77
Tata	57.33	10.78	4.43	18.80	9.46	6.55	3.12
Idea/Spice	57.61	26.08	22.15	45.27	43.59	15.85	15.63
Aircel/Dishnet	31.02	11.69	10.74	37.69	41.74	7.11	7.58
MTNL	4.88	0.00	0.00	0.00	0.00	0.00	0.00
Sistema	2.99	0.381	0.186	12.74	9.49	0.23	0.13
Loop	2.65	0.00	0.00	0.00	0.00	0.00	0.00
Unitech	1.21	0.41	0.00	33.89	0.00	0.25	0.00
HFCL	0.34	0.001	0.001	0.34	0.31	0.00	0.001
S Tel	0.14	0.000	0.00	0.00	0.00	0.00	0.00
Total	525.09	164.57	141.68	31.34	30.04	100.00	100.00

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

Chart 1.6: Wireless Subscription: GSM vs CDMA



1.11 GSM subscription continues to grow at a faster rate and the gap between the growth rates of GSM & CDMA has been widening. In QE Dec-09 growth rate of GSM was 5.86 times in comparison to that of CDMA, as against 4.69 in the previous quarter. At the end of Dec-09, GSM subscribers constituted 80.3% of the wireless market.

GSM Services

1.12 The GSM subscribers were 421.58 million at the quarter ending Dec-09 as against 370.59 million at the end of the previous quarter, showing a growth of 13.76%. Bharti with 118.86 million subscribers continues to be the largest GSM mobile operator. However, in terms of net additions during the quarter, Tata added the highest number of subscribers (9.84 Million), followed by Vodafone (8.55) and Bharti (8.35 Million).

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

Service Provider	Sep-09		Dec-09		Net additions (in Millions)
	No of Subscribers (in Millions)	Market Share (in %age)	No of Subscribers (in Millions)	Market Share (in %age)	
Bharti	110.51	29.82	118.86	28.19	8.35
Vodafone	82.85	22.35	91.40	21.68	8.55
BSNL	53.4	14.41	57.23	13.58	3.83
Idea/Spice	51.46	13.89	57.61	13.67	6.15
Reliance	30.93	8.35	38.20	9.06	7.27
Aircel/Dishnet	25.73	6.94	31.02	7.36	5.29
Tata	8.85	2.39	18.69	4.43	9.84
MTNL	4.37	1.18	4.57	1.08	0.20
Loop Mobile	2.5	0.67	2.65	0.63	0.15
Unitech	-	-	1.21	0.29	1.21
S Tel	-	-	0.14	0.03	0.14
Total	370.59		421.58		50.98

CDMA Services

1.13 The CDMA Subscriber Base increased to 103.51 million during the quarter ending Dec-09 from 101.13 million at the end of previous quarter. The growth in this quarter is 2.4% as against 2.7% for the previous quarter. Reliance is the largest CDMA mobile operator with 55.59 Million subscribers, followed by Tata Teleservices (38.64 million) and BSNL (5.63 million).

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

Service Provider	Sep-09		Dec-09		Net Additions (in Millons)
	No of Subscribers (in Millions)	Market Share (in %age)	No of Subscribers (in Millions)	Market Share (in %age)	
Reliance	55.18	54.57	55.59	53.71	0.41
Tata Teleservices	37.94	37.52	38.64	37.33	0.70
BSNL	5.35	5.29	5.63	5.44	0.28
Sistema	1.96	1.94	2.99	2.89	1.03
HFCL	0.38	0.38	0.34	0.33	-0.04
MTNL	0.31	0.31	0.31	0.30	0.00
Total	101.13		103.51		2.38

Section C: Wireline Service

Table 1.14: Service Providers providing Wireline service [as on 31st December 2009]

Sl. No.	Name of the Service Provider	Area of Operation
1	BSNL	All India except Delhi & Mumbai
2	MTNL	Delhi & Mumbai
3	Bharti Airtel Ltd	Andhra Pradesh, Delhi, Gujarat, Haryana, Karnataka, Kerala, Kolkata, Madhya Pradesh, Maharashtra, Mumbai, Punjab, Rajasthan, Tamil Nadu, Chennai, UP-East, UP-West and West Bengal.
4	Tata Teleservices Ltd.	Andhra Pradesh, Assam, Bihar, Delhi, Gujarat, Haryana, Himachal Pradesh, Jammu & Kashmir, Karnataka, Kerala, Kolkata, Madhya Pradesh, Maharashtra, Mumbai, North East, Orissa, Punjab, Rajasthan, Tamil Nadu, Chennai, UP(E), UP(W) and West Bengal
5	HFCL Infotel Ltd	Punjab
6	Sisitema Shyam Telelink Ltd.	Rajasthan
7	Reliance Communications Ltd.	Andhra Pradesh, Bihar, Chennai, Delhi, Gujarat, Haryana, Himachal Pradesh, J&K, Karnataka, Kerala, Kolkata, Madhya Pradesh, Maharashtra, Mumbai, Orissa, Punjab, Rajasthan, Tamilnadu, UP(East), UP(West) and West Bengal

1.14 Wireline subscriber base declined from 37.31 Million in Sep-09 to 37.06 Million at the end of Dec-09. Wireline teledensity is 3.16.

Chart 1.7: Wireline Subscriber Base and Teledensity

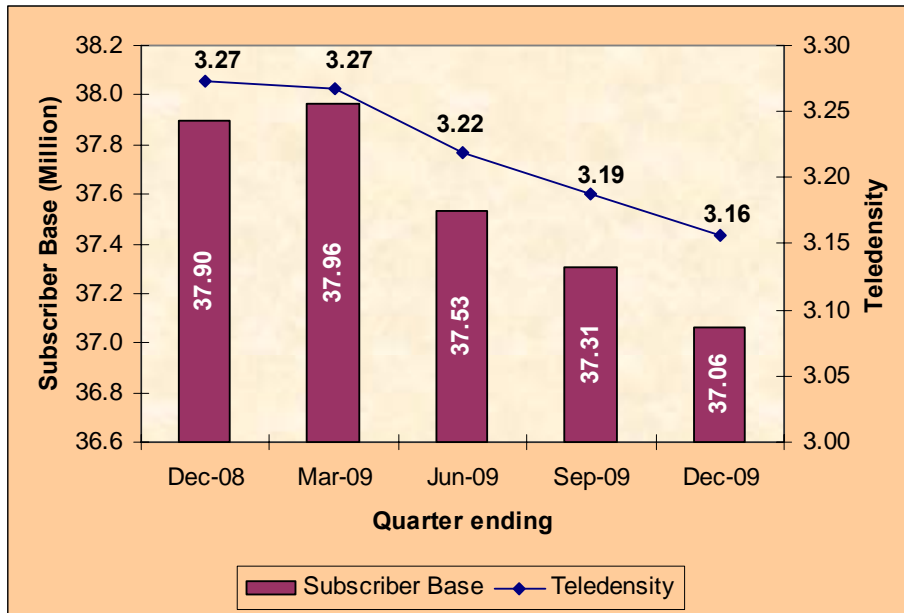


Table 1.15: Wireline Subscriber Base & Teledensity – Rural & Urban

Quarter ending	Subscriber Base (Million)		Teledensity	
	Rural	Urban	Rural	Urban
Dec-08	10.68	27.22	1.31	7.96
Mar-09	10.58	27.38	1.29	7.96
Jun-09	10.32	27.21	1.26	7.87
Sep-09	10.13	27.17	1.23	7.82
Dec-09	9.95	27.11	1.21	7.76

1.15 Rural Wireline subscription continues to decline at a faster rate than Urban subscription, leading to decline in the share of Rural subscription

Chart 1.8: Wireline Market share – Rural & Urban

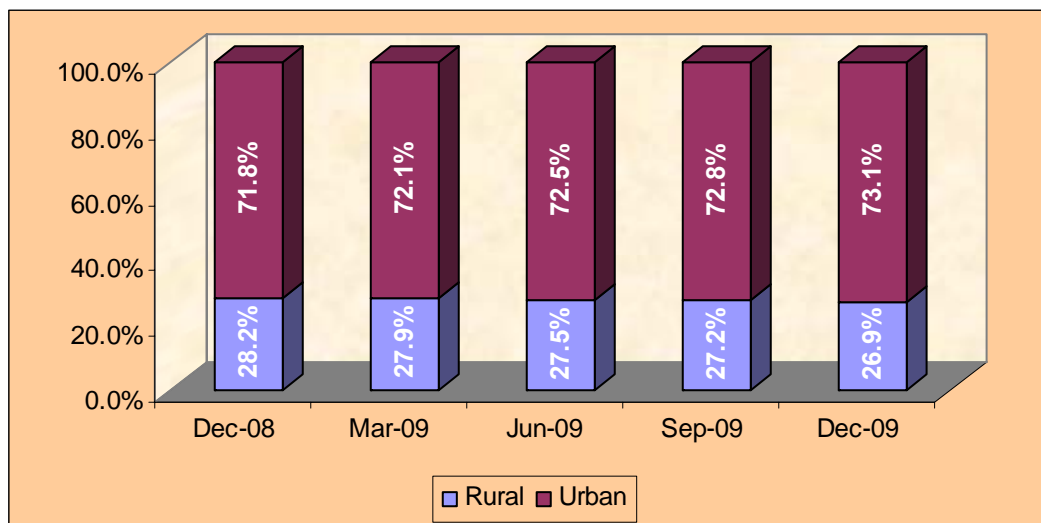


Table 1.16: Service Provider wise Subscribers (Rural & Urban) & Market Share

Service Provider	Subscriber Base (Million)			Share of rural subscription
	Rural	Urban	Total	
BSNL	9.91	18.18	28.10	35.28%
MTNL	-	3.49	3.49	-
Bharti	-	2.99	2.99	-
Reliance	0.00	1.16	1.16	0.09%
Tata	0.03	1.07	1.10	3.00%
HFCL	-	0.17	0.17	-
Sistema	0.01	0.04	0.05	13.87%
Total	9.95	27.11	37.06	-

Table 1.17: Growth in Subscribers

Service Provider	Subscriber Base (Million)			Rate of change	Market share-Sep-09	Market share-Dec-09
	Sep-09	Dec-09	Net Additions			
BSNL	28.45	28.10	-0.35	-1.2%	76.25%	75.80%
MTNL	3.51	3.49	-0.02	-0.7%	9.42%	9.42%
Bharti	2.93	2.99	0.06	2.1%	7.85%	8.06%
Reliance	1.15	1.16	0.01	1.1%	3.09%	3.14%
Tata	1.00	1.10	0.10	10.0%	2.69%	2.98%
HFCL	0.17	0.17	0.00	1.7%	0.44%	0.46%
Sistema	0.10	0.05	-0.04	-45.7%	0.26%	0.14%
Total	37.31	37.06	-0.24	-0.6%	-	-

Table 1.18: Service Area wise Wireline Subscribers

Service Area	Sep-09	Dec-09	Net Additions	Rate of Change
Andhra Pradesh	2.48	2.46	-0.022	-0.9%
Assam	0.33	0.33	-0.006	-1.8%
Bihar	1.38	1.38	0.001	0.1%
Delhi	2.63	2.67	0.039	1.5%
Gujarat	2.07	2.07	0.002	0.1%
Haryana	0.83	0.82	-0.018	-2.2%
Himachal Pradesh	0.36	0.36	-0.006	-1.6%
Jammu & Kashmir	0.23	0.23	-0.002	-0.9%
Karnataka	2.75	2.76	0.004	0.1%
Kerala	3.53	3.51	-0.022	-0.6%
Madhya Pradesh	1.60	1.58	-0.020	-1.2%
Maharashtra	3.10	3.04	-0.062	-2.0%
Mumbai	2.89	2.90	0.006	0.2%
North East	0.33	0.33	-0.007	-2.1%
Orissa	0.63	0.61	-0.012	-1.9%
Punjab	1.63	1.61	-0.015	-0.9%
Rajasthan	1.60	1.54	-0.057	-3.6%
T.N. (incl. Chennai)	3.62	3.59	-0.028	-0.8%
U.P.(E)	1.48	1.49	0.010	0.7%
U.P.(W)	1.32	1.32	0.000	0.0%
Kolkata	1.53	1.53	-0.006	-0.4%
W.B.	0.96	0.94	-0.021	-2.2%
All India	37.31	37.06	-0.242	-0.6%

Table 1.19: Service Area wise Wireline Teledensity as on 31st December 2009

Service Area	Rural Teledensity	Urban Teledensity	Total Teledensity
Andhra Pradesh	1.31	7.16	2.93
Assam	0.36	5.30	1.09
Bihar	0.45	5.15	1.09
Delhi	-	-	14.97
Gujarat	1.44	6.67	3.53
Haryana	1.82	6.20	3.27
Himachal Pradesh	4.77	9.97	5.33
Jammu & Kashmir	0.51	6.06	1.99
Karnataka	1.55	10.09	4.69
Kerala	9.33	12.81	10.22
Madhya Pradesh	0.43	5.15	1.67
Maharashtra	1.54*	9.67*	5.28*
Mumbai			
North East	0.88	7.70	2.51
Orissa	0.69	5.74	1.52
Punjab	3.26	9.10	5.62
Rajasthan	1.05	6.34	2.31
T.N.	2.28	7.86	5.26
U.P.(E)	0.40*	4.76*	1.36*
U.P.(W)			
Kolkata	0.72*	7.86*	2.75*
W.B.			
All India	1.21	7.76	3.16

* 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.

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

Public Call Offices (PCO)

1.17 Total number of PCOs in the country as on 31st Decemehr 2009 is 5.52 Million as compared to 5.94 in Sep-09, showing a reduction of 0.42 Millions PCOs. Detailed table is at Annexure -1.4.

Chart 1.9: Number of PCOs

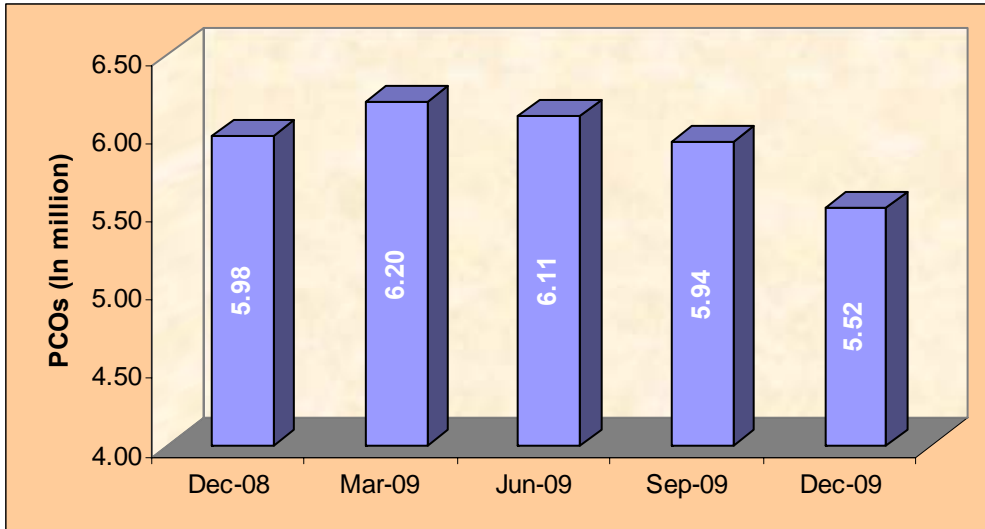
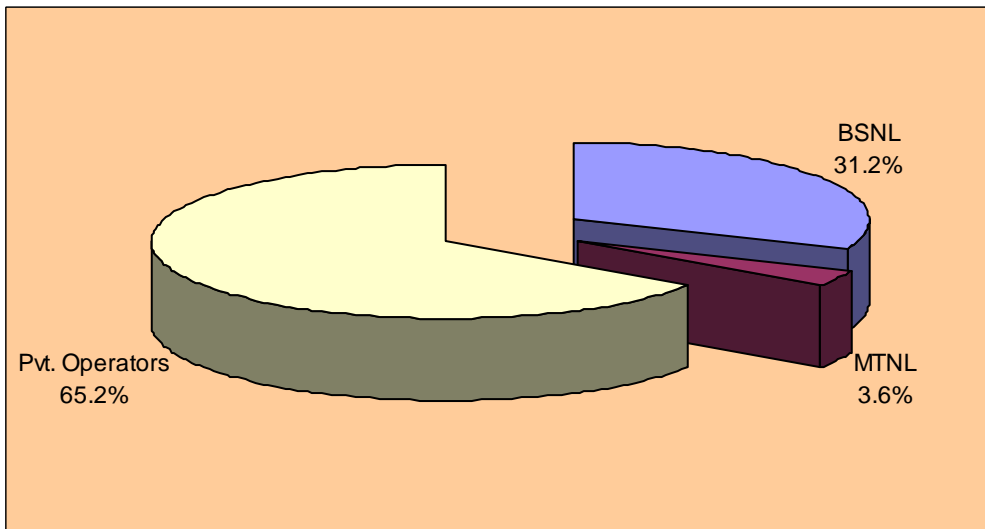


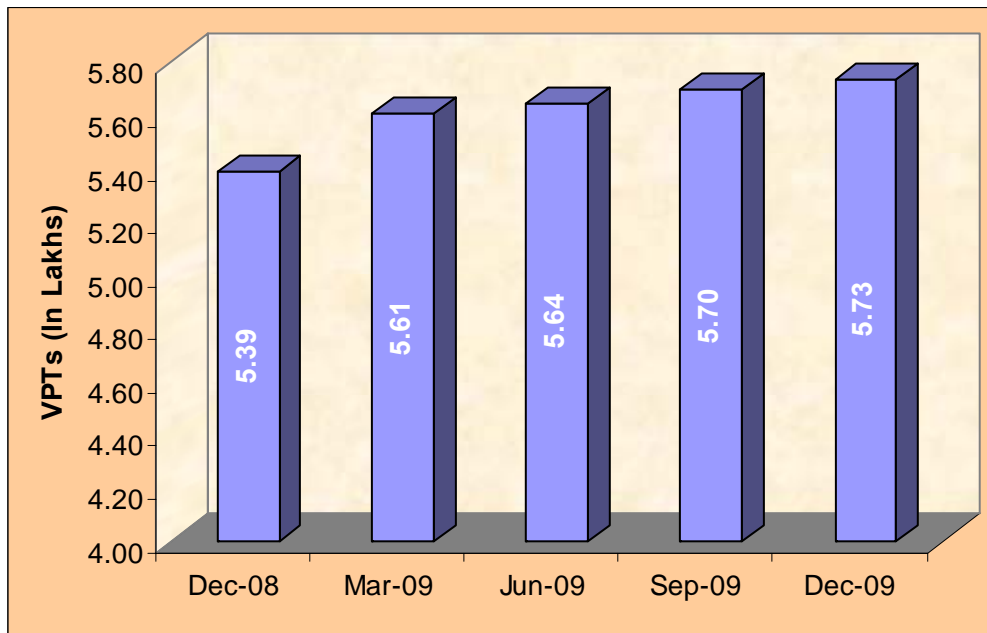
Chart 1.10: Market share of PCOs (PSUs Vs. Pvt. Operators)



Village Public Telephones (VPTs)

1.17 There are 5,93,731 inhabited villages in India as per census 2001. The number of VPTs increased from 5.70 Lakhs in Sep-09 to 5.73 lakhs in Dec-09. With the addition of 3,700 VPTs in this quarter, 97% of the total inhabited villages in India have been connected. Detailed table is at Annexure -1.5.

Chart 1.11 : Growth in VPTs

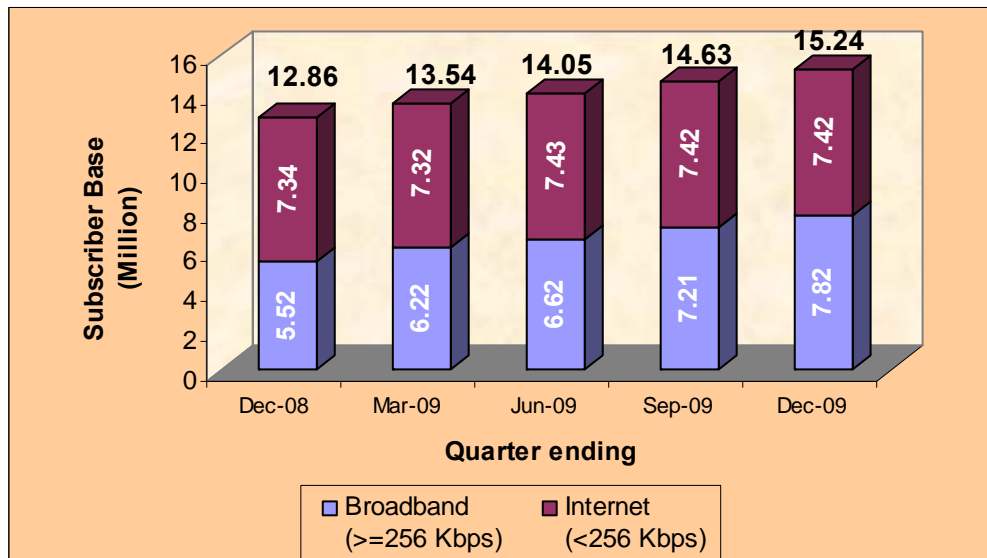


Section D: Internet Service

1.18 There are 15.24 million Internet subscribers at the end of Dec-09 as compared to 14.63 million at the end of Sep-09, registering a growth of 4.21%. This growth rate is higher as compared to QE Sep-09 (4.09%). Apart from this, 149.03 million wireless subscribers have subscribed to Data services, as reported by the wireless service providers.

1.19 The number of Broadband subscribers is 7.82 million at the end of December 2009 as compared to 7.21 million at the end of Sep-09, thus registering a growth of 8.5% over the previous quarter.

Chart 1.12: Trends in Internet/Broadband subscription



1.20 Share of Broadband subscription in total Internet subscription increased from 49.3% in Sep-09 to 51.3% in Dec-09.

1.21 Internet Subscriber growth during the quarter is driven by Broadband services. Out of the total 2.39 million Internet subscribers added during the last one year, 2.30 million are Broadband customers.

Table 1.20: Trends in subscribers of PSUs Vs. Pvt. Internet Service Providers

Quarter ending	PSU ISPs	Private ISPs	Total	Share of PSUs
Dec-08	8.72	4.14	12.86	67.8%
Mar-09	9.38	4.16	13.54	69.3%
Jun-09	9.78	4.27	14.05	69.6%
Sep-09	10.30	4.33	14.63	70.4%
Dec-09	10.78	4.46	15.24	70.7%

1.22 The total Internet leased line customers stood at 29563 at the end of Dec-09 as compared to 27723 at the end of Sep-09.

1.23 As per the reports available with the TRAI, 32 ISPs are providing Internet Telephony services presently. The list is at Annexure-1.6.

ISP Connectivity

1.24 The bandwidth owned by various ISPs for their ISP operations and Internet Leased lines is reported to be 275 GB for International and 231 GB for National during this quarter as compared to 254 GB for International and 212 GB for National at the end of Sep-09.

Table 1.21: Internet Subscriber Base & Market share of top 10 ISPs

S.No	ISP	Category	Service Area	Subs	Share (%)
1	Bharat Sanchar Nigam Ltd.	A	All India	8521621	55.91
2	Mahanagar Telephone Nigam Ltd.	B	Delhi & Mumbai	2258284	14.82
3	Bharti Airtel Ltd.	A	All India	1249999	8.20
4	Reliance Communications Infrastructure Limited	A	All India	1163390	7.63
5	Hathway Cable & Datacom Pvt. Ltd.	A	All India	307396	2.02
6	Tata Communications Internet Services Limited	A	All India	289537	1.90
7	YOU Telecom India Pvt. Ltd.	A	All India	259581	1.70
8	Data Infosys Ltd.	A	All India	250493	1.64
9	Sify Technologies Ltd.	A	All India	235383	1.54
10	Asianet Satellite Communications Ltd.	B	Kerala	86130	0.57
	Total of Top 10 ISPs			14621814	95.93
	Others			619638	4.07
	Grand Total			15241452	100

1.26 BSNL holds 55.91% of the market share with reported subscriber base of 8.52 million Internet subscribers at the end of Dec-09 as against 8.08 million at the end of Sep-09. MTNL is at second position (2.26 million) followed by Bharti (1.25 million). Detailed table with subscriber numbers & growth rates of all the ISPs is at Annexure-1.7.

1.27 Top 10 ISPs together hold 95.93% of the total Internet subscriber base.

Chart 1.13: Growth achieved by top ten ISPs during the quarter

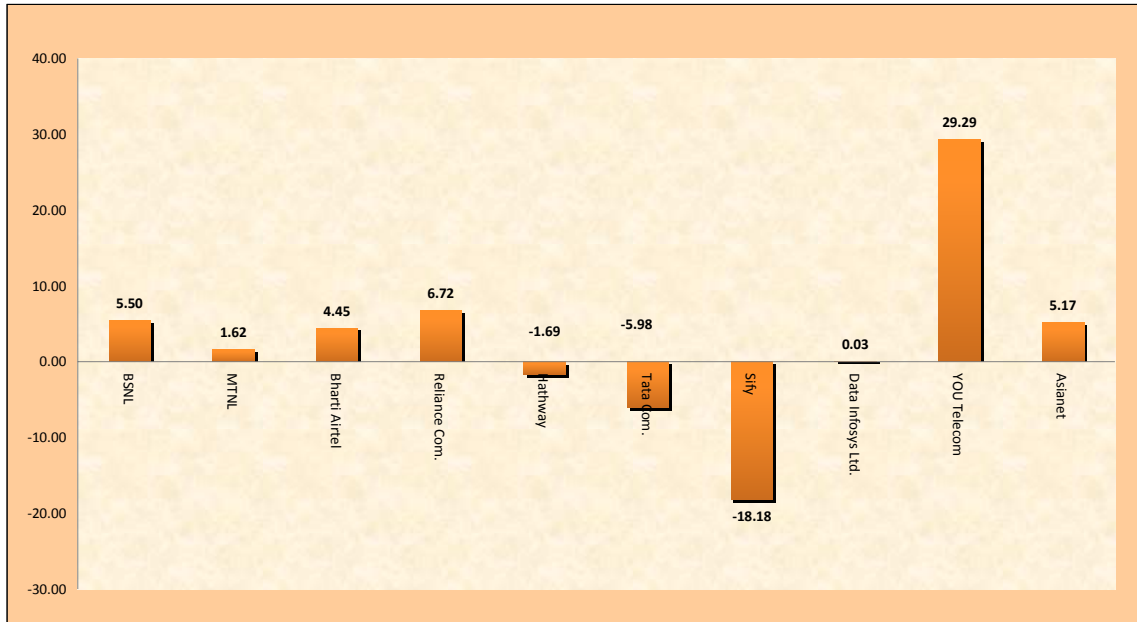


Chart 1.14: Internet Access (including Broadband) - Technologies & Market Share

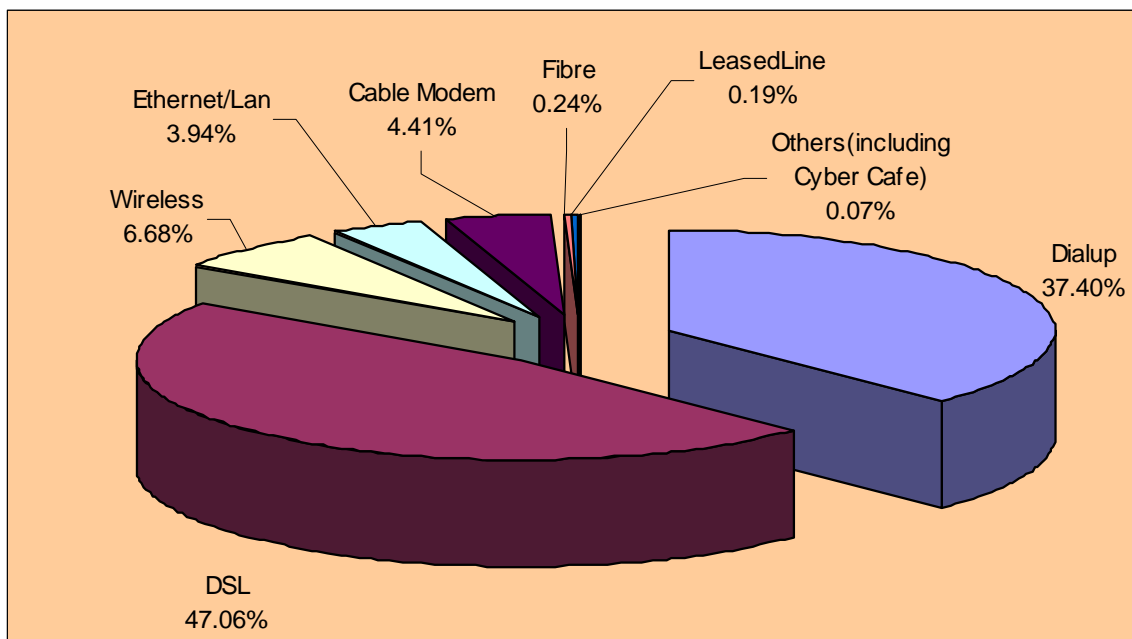
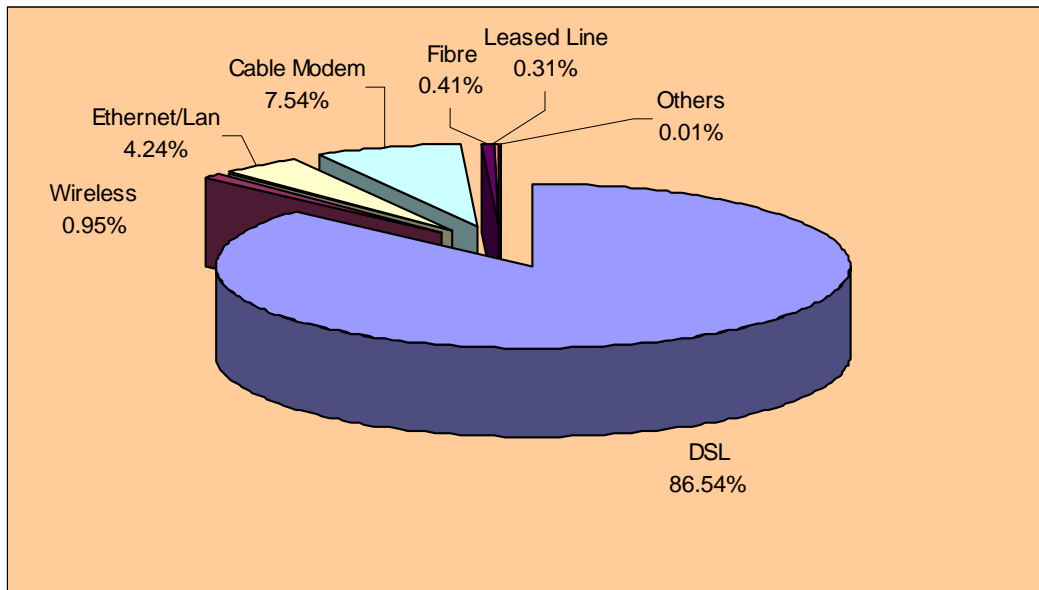
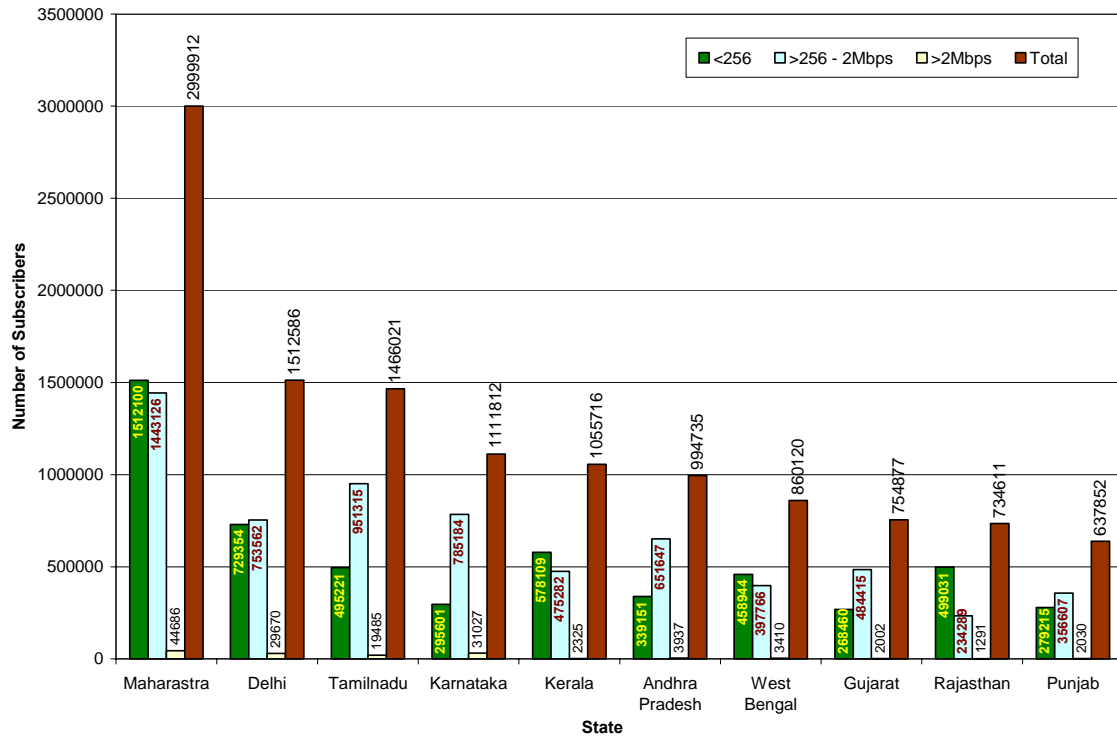


Chart 1.15: Broadband Access - Technologies & Market Share



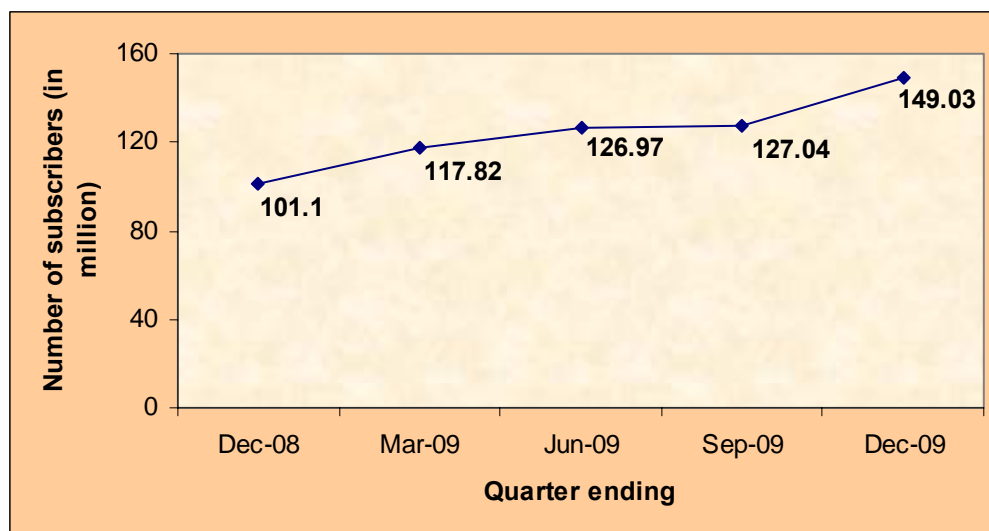
1.28 DSL (Digital Subscriber Line) is the most preferred technology used by the Service Providers to provide Broadband Services and it constitutes 86.54% of total broadband subscribers. Cable Modem Technology follows with 7.54% connections.

Chart 1.16: Speed Category wise data on Internet/broadband subscribers for top 10 States



1.29 Maharashtra is having largest Internet (<256 Kbps) and Broadband (>=256 Kbps) subscriber base in the country.

Chart 1.17: Growth of wireless subscribers capable of Accessing Data services/Internet



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

Table 1.22: Service Provider wise details of Data Services

S.No.	Subscriber Base of Data Services	
	Service Provider	Data Subscribers as on 31st December 2009 (in millions)
1	Aircel	2.19
2	Bharti	66.99
3	Loop	2.18
4	BSNL	35.08
5	HFCL	0.00
6	Vodafone	27.75
7	Idea	10.54
8	MTNL	1.10
9	RCL	0.89
10	RTL	0.00
11	Sistema	0.01
12	Spice	1.06
13	Tata	1.23
14	S Tel	0.00
15	Unitech	0.00
	Total	149.03

Section E: Other Value Added Services – PMRTS & VSAT

Public Mobile Radio Trunk Services (PMRTS)

Table 1.23: PMRTS Subscriber base – Service Provider wise

Name of the Service Provider	Operative Areas	Subscriber Base as on 30.09.09	Subscriber Base as on 31.12.09	%age change	Market Share (%)
The Arvind Mills Ltd.	Delhi, Faridabad, Mumbai, Vashi, Ahmedabad, Baroda, Surat, Bharuch, Chennai, Bangalore	11307	11921	5.43	36.81
Procall Limited	Delhi, Jaipur, Gurgaon, Faridabad	6936	7142	2.97	22.05
QuickCall	Bangalore, Hyderabad, Chennai	2984	3184	6.70	9.83
Smartalk Pvt Limited	Pune, Vashi, Mumbai	2560	2644	3.28	8.16
Aryadoot Transport Pvt Limited	Vishakhapatnam	1922	1967	2.34	6.07
United Liner Agencies of India (Pvt) Ltd	Delhi, Kolkata	1718	1665	-3.08	5.14
Bhilwara Telenet Services Pvt Limited	Mumbai	1452	1449	-0.21	4.47
Arya Offshore Services Pvt Ltd.	Mumbai, Chennai	1058	1084	2.46	3.35
German Express Shipping Agency (India) Pvt Ltd. (Hapag Llyod)	Navi Mumbai (Belapur), Delhi	731	726	-0.68	2.24
Jet-Aiu Skyline Transport Pvt Ltd.	Indore	551	601	9.07	1.86
India Satcom Ltd.*	Bangalore	50	0	-	0.00
Container Movement (Bombay) Transport Pvt Ltd.	Delhi	1	1	0.00	0.003
Total		31270	32384	3.56	

* M/S India Satcom reported that their MRTS department is not functional

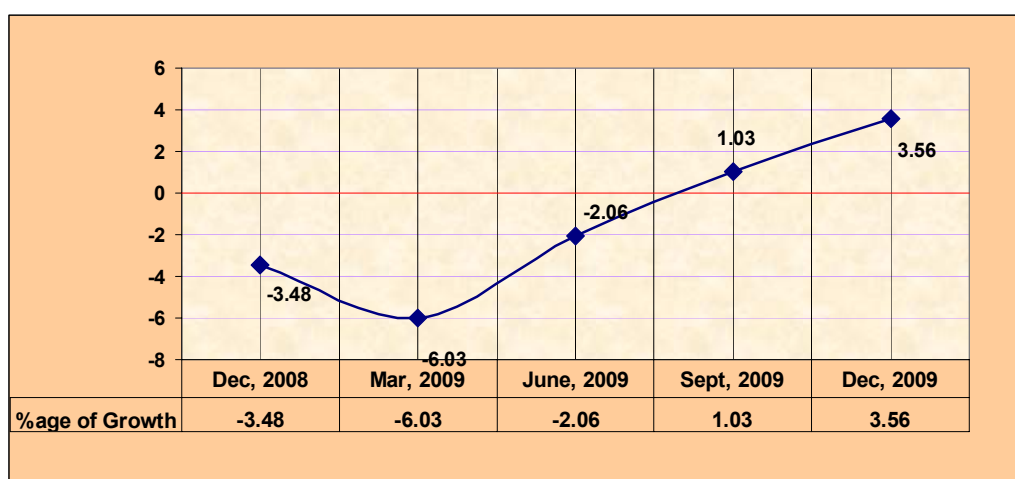
1.30 The subscriber base of PMRTS increased from 31,270 in QE Sep-09 to 32,384 in Dec-09.

Table 1.24: PMRTS Subscriber base – Service Area wise

Sr. No.	Operative Area	Service Providers	Subscriber Base		%age change	Market Share (%)
			30.09.09	31.12.09		
1	Delhi	Container Movement	6748	6589	-2.36	20.35
		German Express				
		United Liner Agencies				
		Procall				
		Arvind Mills Ltd.				
2	Mumbai	Arya Offshore Services	5112	5202	1.76	16.06
		German Express				
		Arvind Mills Ltd.				
		Smartalk				
		Bhilwara Telenet				
3	Chennai	Arya Offshore Services	4318	4480	3.75	13.83
		Arvind Mills				
		Quick Calls				
4	Bangalore	Arvind Mills	3944	4473	13.41	13.81
		Quick Calls				
		India Satcom				
5	Vishakhapatnam	Arya Transport	1922	1967	2.34	6.07
6	Hyderabad	Quick Calls	1311	1372	4.65	4.24
7	Kolkatta	United Liner	1405	1314	-6.48	4.06
8	Gurgaon	Procall	1098	1303	18.67	4.02
9	Pune	Smartalk	988	1056	6.88	3.26
10	Vashi	Arvind Mills	1025	1033	0.78	3.19
		Smartalk				
11	Surat	Arvind Mills	1033	1018	-1.45	3.14
12	Baroda	Arvind Mills	664	711	7.08	2.20
13	Indore	Jet Aiu Skyline	551	601	9.07	1.86
14	Ahmedabad	Arvind Mills	475	479	0.84	1.48
15	Jaipur	Procall	341	434	27.27	1.34
16	Faridabad	Procall	189	198	4.76	0.61
		Arvind Mills				
17	Bharuch	Arvind Mills	146	154	5.48	0.48
	Total		31270	32384	3.56	

1.31 Delhi continues to have the highest number of subscribers (6589) followed by Mumbai (5202), Chennai (4480) and Bangalore (4473). These 4 service areas account for 64.06% of the total subscribers. Detailed table on service Provider wise subscriber base is at Annexure-1.8.

Chart 1.18: Growth rate (%) of PMRTS



Very Small Aperture Terminal (VSAT)

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

Sr. No	Name of Service Provider	Quarter ending		%age change	Market Share (%)
		Sept,2009	Dec,2009		
1	Hughes Communications Ltd.	32725	33833	3.39	29.00
2	HCL Comnet	26705	27567	3.23	23.63
3	Bharti Airtel Limited, Bangalore	33719	34581	2.56	29.64
4	Bharti Broadband	1070	1044	-2.43	0.89
5	Essel Shyam	2728	2728	0.00	2.34
6	Tatanet Services	11555	11555	0.00	9.90
7	ITI	16	0	-100.00	0.00
8	GNFC	0	0	0.00	0.00
9	BSNL	4339	5340	23.07	4.58
10	Infotel Satcom	NR*	18	0.00	0.02
	Total	112857	116666	3.38	-

* Not reported in last quarter however the service provider has mentioned in this quarter that their subscriber base of the last quarter was 18.

1.32 The total number of VSAT subscribers increased to 116666 in Dec-09. Net additions has been 3809 and, the growth rate 3.38%.

1.33 Bharti Airtel Ltd. Continues to be the market leader with subscriber base of 34581, followed by Hughes Communication Limited (33833) and HCL Comnet (27567) VSAT subscribers respectively.

Chart 1.19 : Number of VSAT connections

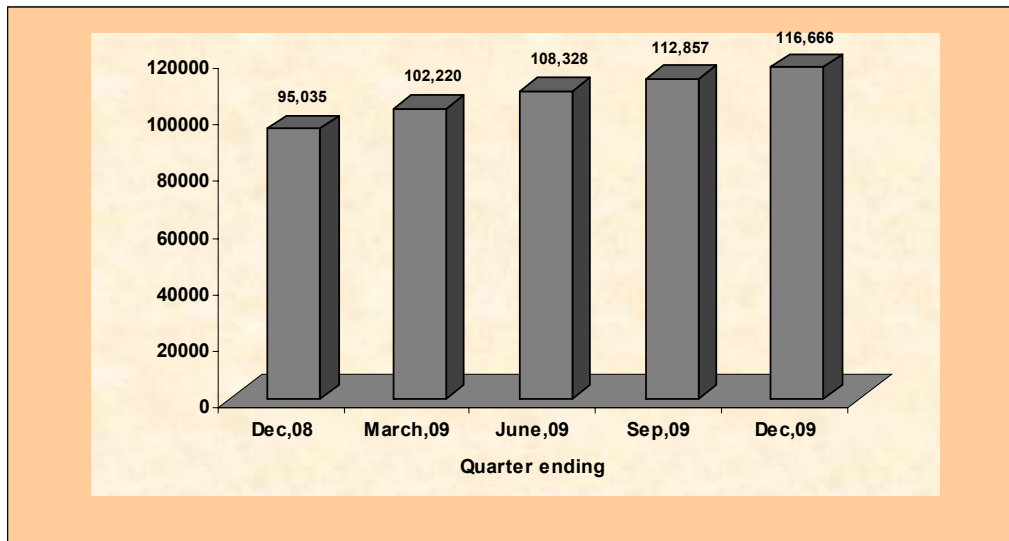
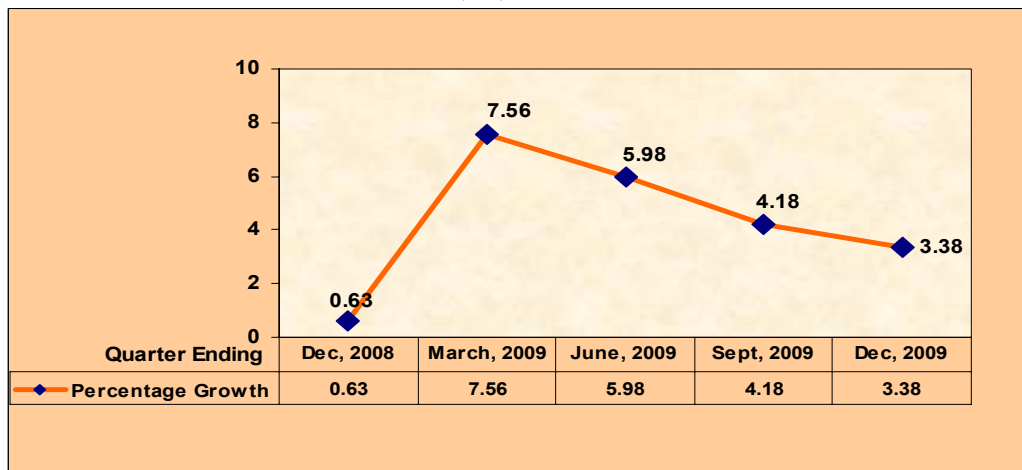


Chart 1.20: Growth rate (%) of VSAT Subscribers



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

Section A: GSM – Full Mobility Service

Table 2.1: Key Indicators

Parameter	Sep-09	Dec-09	%age Change
Subscriber base (Million)	370	419	13.1%
Share of prepaid (%)	94.86	95.18	0.3%
Incoming MOU* per sub per month	216	210	-3.0%
Outgoing MOU* per sub per month	207	202	-2.7%
Outgoing SMS per sub. Per month	29	32	9.6%
Average Revenue Per User (ARPU) (Rs. per month)	164	144	-12.4%

* Minutes of usage

Chart 2.1: Traffic pattern

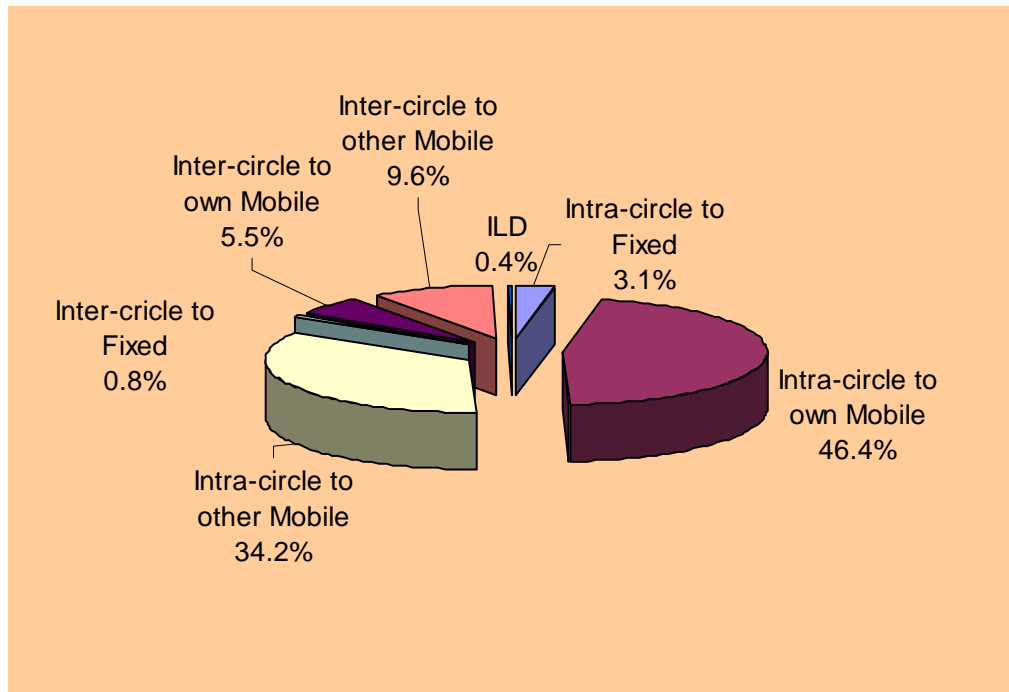
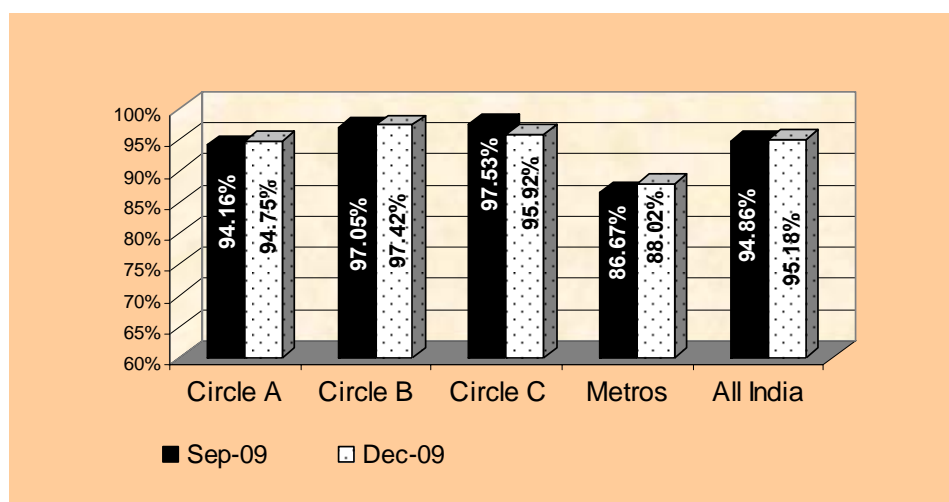


Chart 2.2: Proportion of prepaid subscribers



2.1 Share of prepaid subscription has grown from 94.86% in Sep-09 to 95.18% in Dec-09.

Table 2.2: ARPU (Rs. per month)

Circle category	Postpaid	Prepaid	Blended ARPU
Circle A	513	128	149
Circle B	465	122	132
Circle C	487	117	128
Metro	615	121	184
All India	530	124	144
All private SPs	571	125	145
BSNL/MTNL	379	116	134

2.2 The all India blended ARPU per month declined by 12.4% from Rs. 164 in Sep-09 to Rs. 144 in Dec-09.

2.3 Prepaid service has shown a decline of 13.5% from Rs. 143 in Sep-09 to Rs.124 in Dec-09. The postpaid ARPU has remained unchanged at Rs. 530.

Table 2.3: Composition of Revenue (%)

Item	Sep-09	Dec-09
Rental Revenue	18.5%	17.7%
Revenue from Calls	60.9%	59.0%
Revenue from Roaming	7.7%	8.6%
Revenue from SMS	4.7%	5.7%
Other Revenues *	8.3%	8.9%

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

Table 2.4: MOU & SMS (per subscriber per month)

Circle category	Postpaid				Prepaid			
	Outgoing MOU	Incoming MOU	Total MOU	Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU	Outgoing SMS
Circle A	586	459	1045	93	170	183	354	53
Circle B	588	476	1063	57	187	200	387	17
Circle C	514	327	841	36	205	246	451	11
Metro	507	416	924	69	189	175	365	19
All India	558	440	998	74	183	198	381	30

Circle category	BLENDED [Postpaid + Prepaid]			
	Outgoing MOU	Incoming MOU	Total MOU	Outgoing SMS
Circle A	193	199	392	55
Circle B	198	208	406	18
Circle C	213	248	462	11
Metro	230	206	436	26
All India	202	210	411	32

2.4 MOU per subscriber continued to show a declining trend, though at a lesser rate compared to the previous period. It has declined by 2.82%, from 423 in QE Sep-09 to 411 in Dec-09. The outgoing MOUs declined by 2.67% and incoming by 2.96%.

2.5 Decline in MOU is 2.6% in Postpaid and 1.98% in Prepaid.

2.6 The overall ratio of incoming-outgoing MOUs remained unchanged at 51:49.

2.7 Outgoing SMS per subscriber increased from 29 in Sep-09 to 32 in Dec-09.

Table 2.5: Traffic pattern

Circle Category	Intra-circle to Fixed	Local (Intra-circle)		Inter-circle to Fixed	NLD (Inter-circle)		ILD
		to own Mobile	to other Mobile		to own Mobile	to other Mobile	
Circle A	3.81%	41.90%	40.25%	0.71%	4.93%	8.06%	0.34%
Circle B	2.89%	52.04%	30.98%	0.69%	4.46%	8.62%	0.32%
Circle C	1.52%	56.80%	28.20%	0.62%	5.13%	7.42%	0.31%
Metros	3.73%	30.74%	33.14%	1.77%	10.92%	19.14%	0.56%
All India	3.13%	46.37%	34.20%	0.83%	5.54%	9.57%	0.36%

Average Subscriber outgo* per minute

2.8 The tariff plans are of bundled nature and the trade-off is generally between monthly fixed charges and Variable (call) charges. The average outgo per outgoing minute (Rental revenue + Airtime revenue per outgoing minute), therefore, is a realistic indicator of tariff levels. The table below provides the figures for the quarter ending Dec-09.

Table 2.6: Average outgo per outgoing minute (Rs. Per min)

Circle Category	Postpaid	Prepaid	Blended
Circle A	0.76	0.68	0.69
Circle B	0.71	0.59	0.60
Circle C	0.87	0.51	0.53
Metros	0.90	0.66	0.73
All India	0.79	0.61	0.64

* Outgo includes both Rental and call charges

2.9 All India blended average outgo per minute declined from Rs. 0.71 in Sep-09 to Rs. 0.64 in Dec-09 indicating further reduction in tariff levels.

Table 2.7: Trends of Key Parameters

Parameter	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09
1. ARPU	220	205	185	164	144
2. MOU per subscriber per month	496	484	454	423	411
3. Outgoing MOU per subscriber per month					
3.1 Local (Intra-circle)	207	204	194	178	169
3.2 NLD (inter-circle)	33	30	28	28	32
3.3 ILD	1	1	1	1	1
4. Outgoing SMS per subscriber per month SMS	29	30	28	29	32
5. Average Outgo per outgoing minute	0.78	0.76	0.74	0.71	0.64

Service Area wise statistics are available at Annexure-2.1.

Section B: CDMA – Full Mobility Service

Table 2.8: Key Indicators

Parameter	Sep-09	Dep-09	% Change
Subscriber Base in Millions	82.61	85.03	2.9%
Share of Prepaid (%)	93.4%	93.7%	0.3%
Incoming MOUs per subs per month	163	167	2.5%
Outgoing MOUs per subs per month	145	151	4.04%
Outgoing SMS per subs per month	10	14	37.1%
ARPU (Rs. Per month)	89	82	-7.0%

Chart 2.3: Traffic Pattern

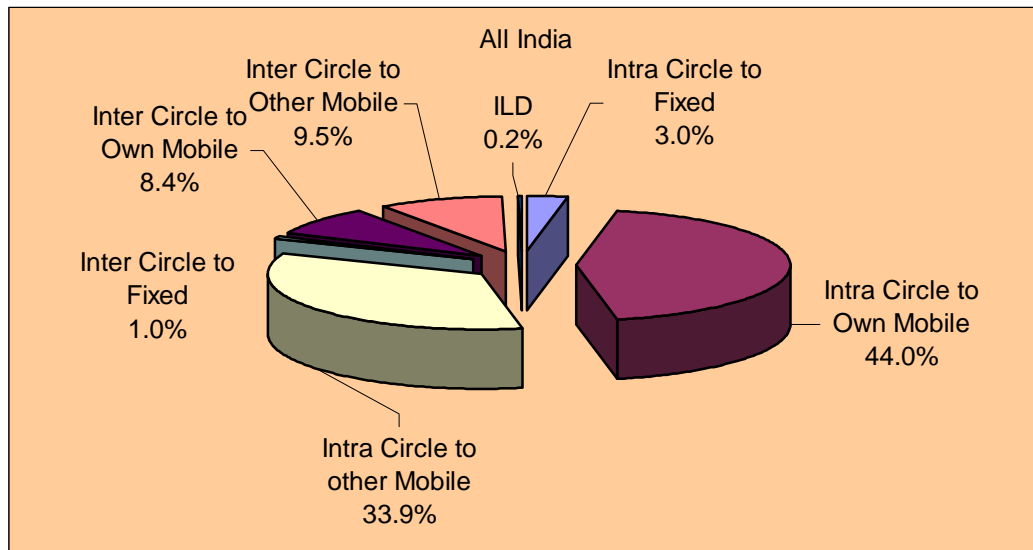
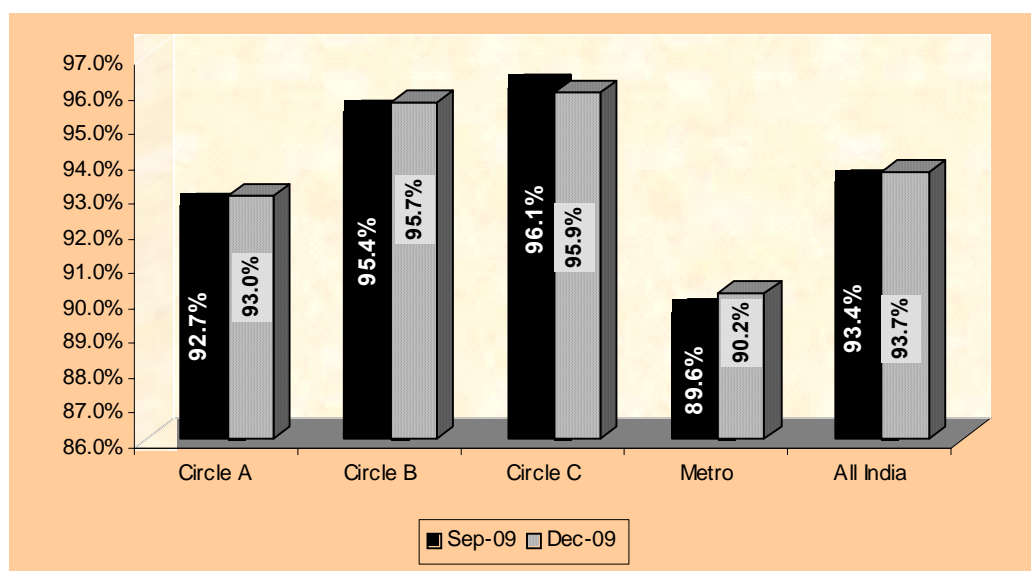


Chart 2.4: Proportion of prepaid subscribers



2.10 Share of prepaid subscription has grown from from 93.4% in Sep-09 to 93.7% at the end of Dec-09.

Table 2.9: ARPU (Rs. per month)

Circle category	Postpaid	Prepaid	Blended ARPU
Circle A	401	56	81
Circle B	345	56	69
Circle C	450	69	84
Metro	441	70	108
All India	402	60	82

2.11 The all India Blended ARPU declined by 6.99% from Rs. 89 in Sep-09 to Rs. 82 in Dec-09. ARPU for prepaid service declined by 7.82% from Rs. 65 in Sep-09 to Rs. 60 in Dec-09 and postpaid ARPU declined by 2.45% from Rs.412 in Sep-09 to Rs. 402 in Dec-09.

Table 2.10: Composition of Revenue (%)

Item	Sep-09	Dec-09
Rental Revenue	26.6%	27.6%
Revenue from Calls	56.0%	56.1%
Revenue from Roaming	1.9%	1.5%
Revenue from SMS	5.1%	5.6%
Other Revenues *	10.4%	9.1%

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

Table 2.11: MOU & SMS (per subscriber per month)

Circle category	Postpaid				Prepaid			
	Outgoing MOU	Incoming MOU	Total MOU	Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU	Outgoing SMS
Circle A	525	340	865	22	101	134	235	14
Circle B	609	351	960	23	126	152	279	8
Circle C	790	346	1136	8	165	222	387	5
Metro	500	346	846	51	134	166	300	22
All India	552	345	897	31	123	155	278	13

Circle category	Blended (postpaid + prepaid)			
	Outgoing MOU	Incoming MOU	Total MOU	Outgoing SMS
Circle A	132	149	281	15
Circle B	148	161	309	9
Circle C	189	227	416	5
Metro	171	184	356	25
All India	151	167	318	14

2.12 The total MOU per subscriber per month increased by 3.23%, from 308 in Q.E Sep-09 to 318 in Q.E Dec-09. The outgoing MOUs increased by 4.04% and the incoming MOUs by 2.50%.

2.13 Prepaid MOUs increased by 4.37% and postpaid MOUs by 0.80%.

2.14 SMS usage increased from 10 in Sep-09 to 14 in Dec-09.

Table 2.12: Traffic Pattern

Circle Category	Intra-circle to Fixed	Local (Intra-circle)		Inter-circle to Fixed	NLD (Inter-circle)		ILD
		to own Mobile	to other Mobile		to own Mobile	to other Mobile	
Circle A	4.0%	38.2%	42.4%	0.9%	7.2%	7.1%	0.2%
Circle B	2.3%	48.9%	32.1%	0.8%	7.6%	8.0%	0.2%
Circle C	1.1%	48.7%	34.2%	1.1%	8.0%	6.9%	0.0%
Metros	3.8%	41.6%	25.9%	1.3%	10.9%	16.3%	0.1%
All India	3.0%	44.0%	33.9%	1.0%	8.4%	9.5%	0.2%

Table 2.13: Average outgo per outgoing minute

[Rs. Per min]

Circle Category	Postpaid	Prepaid	Blended
Circle A	0.74	0.51	0.58
Circle B	0.58	0.43	0.45
Circle C	0.54	0.39	0.42
Metros	0.84	0.52	0.62
All India	0.71	0.47	0.52

* Outgo includes both Rental and call charges

2.15 All India average outgo per minute declined from Rs. 0.57 in Sep-09 to Rs. 0.52 in Dec-09.

Table 2.14: Trends of Key Parameters

Parameter	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09
1. ARPU	111	99	92	89	82
2. MOU per subscriber per month	371	357	342	308	318
3. Outgoing MOU per subscriber per month					
3.1 Local (Intra-circle)	140	134	125	116	122
3.2 NLD (inter-circle)	29	30	35	29	28
3.3 ILD	0.49	0.43	0.38	0.25	0.24
4. Outgoing SMS per subscriber per month SMS					
	13	10	11	10	14
5. Average Outgo per outgoing minute	0.61	0.57	0.56	0.57	0.52

Service Area wise statistics are available at Annexure-2.2.

Section C: Internet Services

Revenue of ISPs

2.16 The total Revenue of the Internet Services as reported by ISPs was Rs.2154.78 crores for the quarter ending Dec-09 as compared to Rs. 2109.34 crores in the quarter ending Sep-09, showing an increase of 2.15%.

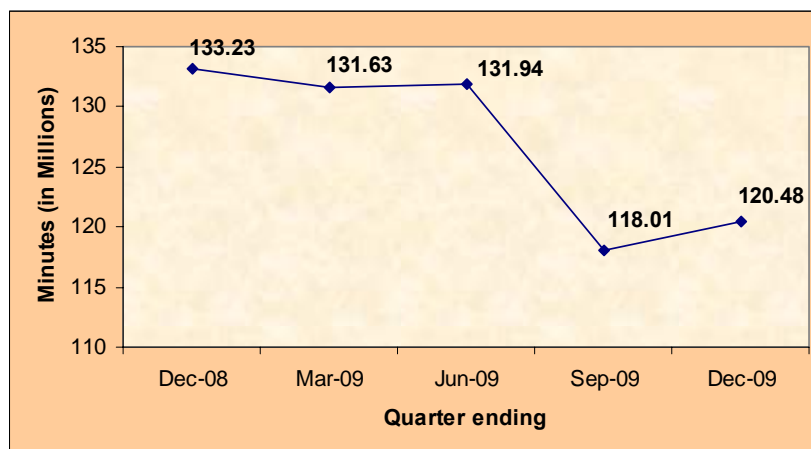
Dial up Access

2.17 The average Minutes of Usage (MoU) per subscriber per month during the day time i.e. between 8 a.m to 8 p.m, increased from 237.06 in QE Sep-09 to 243.96 in QE Dec-09 and during night time i.e. between 8 p.m to 8 a.m., it has declined from 97.37 to 80.14.

Internet Telephony

2.18 Total Minutes of Usage (MOU) for Internet Telephony has increased from 118.01 million in QE Sep-09 to 120.48 million in QE Dec-09.

Chart 2.4: 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-09 (Rs. in Crore)	QE Dec-09 (Rs. in Crore)	%age Change
Gross Revenue (GR)	38854.65	39756.64	2.32%
Adjusted Gross Revenue (AGR)	29115.30	29125.67	0.04%
License Fee	2450.01	2428.17	-0.89%
Spectrum Charges	856.90	834.05	-2.67%
Pass through (GR – AGR)	9739.35	10630.97	9.15%

- 3.1 Gross Revenue has increased by 2.32% and AGR increased by 0.04%
- 3.2 Average License fee as % Gross Revenue: 6.11%.
- 3.3 Average License fee as % Adjusted Gross Revenue: 8.34 %.
- 3.4 Pass-through charges as % Gross Revenue: 26.74%.
- 3.5 Public sector undertaking's share to Total GR: 22.61%.

Table 3.2: Service-wise Gross Revenue, Adjusted Gross Revenue (AGR), Licence Fee and Spectrum Charges (Rs. in Crore)

Service	QE Dec-09			
	GR	AGR	LF	Spectrum Charges
Access Providers	31099.52	23847.85	2111.46	832.50
NLD	5045.63	3964.43	237.87	0.00
ILD	2204.70	962.31	57.79	0.00
Others (reported)	1406.79	351.08	21.05	1.55
Total	39756.64	29125.67	2428.17	834.05

3.6 Access services contributed 78.22% of the total revenue of telecom services.

Table 3.3: Access Services – Service Provider wise Gross Revenue (Rs in Cr.)

Service	QE Sep-09	QE Dec-09	% Change
Aircel	955.55	1055.48	10.46%
Bharti	8775.36	8579.84	-2.23%
BSNL	6059.30	5994.57	-1.07%
Etisalat	30.41	25.70	-15.49%
HFCL	36.25	33.19	-8.44%
Idea	2877.37	3046.71	5.89%
Loop	158.44	165.66	4.56%
MTNL	1199.86	1100.59	-8.27%
Reliance	3163.39	3217.90	1.72%
S Tel	-	0.89	-
Sistema Shyam	29.55	65.20	120.64%
Spice	303.06	324.04	6.92%
Tata	1960.06	1958.88	-0.06%
Unitech	12.92	9.26	-28.33%
Vodafone	5380.88	5521.61	2.62%
Grand Total	30942.40	31099.52	0.51%

3.7 In Access services, GR has increased from Rs. 30942 crore in QE Sep-09 to Rs. 31100 crore in QE Dec-09, thereby showing a growth of 0.51%.

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

Category	Gross Revenue (Rs in Cr.)	Share %
Metro	6140	19.74%
A	11621	37.37%
B	10130	32.57%
C	3208	10.32%
Total	31099	100%

Note: The data for Chennai has been shown under Category A (alongwith TN)

Notes:

1. *Source: Figures are un-audited and as submitted by the Operators.*
2. *The figures have been regrouped for analysis purpose.*
3. *The Spectrum charges are now reported on "Payment due for the Quarter" basis. However some operators are reporting on payment basis or on estimate basis on projected AGR for next quarter.*
4. *Tulip IT Services did not furnish data of their NLD and ILD operations, as they were yet to submit the same to the Deptt. of Telecommunications.*

Chapter 4: Quality of Service (QoS)

Section A: Quality of Service Performance of Wireless Service Providers

Table 4.1: QoS Summary - Wireless Service

S. No.	Parameters	Benchmark	No. of Operators not Meeting the Benchmarks			
			Quarter Ending September, 2009		Quarter Ending December, 2009	
			Out Of 164 (Nos.)	Out Of 164 (in %)	Out Of 166 (Nos.)	Out Of 166 (in %)
<i>I.</i>	Network Related Parameters					
1	Network Availability					
(i)	BTSS Accumulated downtime (not available for service)	$\leq 2\%$	6	3.6 %	2	1.2 %
(ii)	Worst affected BTSS due to downtime	$\leq 2\%$	28	17.1%	16	9.6%
2	Connection Establishment (Accessibility)					
(i)	Call Set-up Success Rate (within licensee's own network)	$\geq 95\%$	7	4.2%	5	3.0%
(ii)	SDCCH/ Paging Chl. Congestion	$\leq 1\%$	9	5.5%	6	3.6%
(iii)	TCH Congestion	$\leq 2\%$	5	3.0%	5	3.0%
3	Connection Maintenance (Retainability)					
(i)	Call Drop Rate	$\leq 2\%$	12	7.3%	10	6.0%
(ii)	Worst affected cells having more than 3% TCH drop (call drop) rate	$\leq 5\%$	56	34.2%	45	27.1%
(iii)	Connection with good voice quality	$\geq 95\%$	11	6.7%	6	3.6%
4	Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark) (Averaged over a period of quarter)	$\leq 0.5\%$	13	7.9%	22	13.3%

S. No.	Parameters	Benchmark	No. of Operators not Meeting the Benchmarks			
			Quarter Ending September, 2009		Quarter Ending December, 2009	
			Out Of 164 (Nos.)	Out Of 164 (in %)	Out Of 166 (Nos.)	Out Of 166 (in %)
II.	Customer Service Quality Parameters					
5	Metering and Billing					
(i)	Metering and billing credibility - post paid	≤ 0.1%	22	13.4%	22	13.3%
(ii)	Metering and billing credibility - pre paid	≤ 0.1%	22	13.4%	24	14.5%
(iii)	Resolution of billing/charging/validity complaints	100% within 4 weeks	5	3.0%	27	16.3%
(iv)	Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of complaints	within 1 week of resolution of complaint	0	0.0%	0	0.0%
6	Response time to the customer for assistance					
(i)	Accessibility of call centre/ customer care	≥ 95%	38	23.2%	11	6.6%
(ii)	%age of calls answered by the operators (voice to voice) within 60 seconds	≥ 90%	83	50.6%	64	38.6%
7	Termination / closure of service					
(i)	%age requests for Termination / Closure of service complied within 7 days	100% within 7 days	54	32.9%	20	12.0%
(ii)	Time taken for refund of deposits after closures	100% within 60 days	6	3.6%	23	13.9%

NOTE : M/s Sistema Shyam has reported the PMR data for Karnataka and Delhi service areas for the first time, which have been included in this report. Hence, the total no. of operators is 166 in this quarter.

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

- a. BTSs Accumulated downtime (not available for service)
- b. Worst affected BTSs due to downtime
- c. Call Set-up Success Rate (within licensee's own network)

- d. SDCCH/ Paging Chl. Congestion
- e. Call Drop Rate
- f. Worst affected cells having more than 3% TCH drop (call drop) rate
- g. Connection with good voice quality
- h. Accessibility of call centre/ customer care
- i. %age of calls answered by the operators (voice to voice) within 60 sec.
- j. %age requests for Termination / Closure of service complied within 7 days

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

- a. Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark)
- b. Metering and billing credibility - pre paid
- c. Resolution of billing/charging/validity complaints
- d. Time taken for refund of deposits after closures

4.3 The performance of the Cellular Mobile Telephone Service Providers is at same level as compared to the previous quarter in respect of the parameter of TCH Congestion, Metering and billing credibility - post paid and Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of complaints.

Table 4.2: Parameter wise Performance of Wireless Service Providers

Parameters	Benchmark	Service Providers not meeting the Benchmarks
Network Availability		
BTSs Accumulated downtime (not available for service) (%age)	≤ 2%	Dishnet – NE (2.98%) Bharti Airtel – NE (4.42%)
Worst affected BTSs due to downtime (%age)	≤ 2%	BSNL – Assam (13.54%), Kol (10.31%), PB (4.87%), RJ (7.40%), UP-E (2.62%) MTNL – Delhi (7.8%) Bharti Airtel – Assam (4.83%), Bihar (8.62%), NE (27.93%) Aircel – Chennai (4.27%) Dishnet – Assam (7.89%), Bihar (7.89%), J&K (2.11%), Kol (2.39%), NE (21.87%), WB (3.94%)
Connection Establishment (Accessibility)		
Call Set-up Success Rate (within licensee's own network)	≥ 95%	Bharti Airtel – NE (92.26%) Dishnet – Assam (94.68%), Bihar (94.93%), NE (89.93%), WB (94.41%)
SDCCH/ Paging Chl. Congestion (%age) (Benchmark ≤ 1%)	≤ 1%	Bharti Airtel – Bihar (1.47%), NE (3.39%) Dishnet – Assam (2.79%), Bihar (2.20%), NE (10.21%), WB (1.03%)
TCH Congestion (%age)	≤ 2%	Bharti Airtel – NE (3.56%) Dishnet – Assam (2.70%), Bihar (3.53%), NE (6.95%), WB (4.54%)
Connection Maintenance (Retainability)		
Call Drop Rate (%age)	≤ 2%	BSNL – Assam (2.40%), HP (2.17%), NE (2.07%) Bharti Airtel – NE (2.29%) Vodafone – MP (2.16%) Dishnet – Assam (2.72%), Bihar (2.03%), J&K (2.24%), NE (4.36%), WB (2.24%)
Worst affected cells having more than 3% TCH drop (call drop) rate (%age)	≤ 5%	BSNL – AP (8.53%), Assam (13.33%), Kol (10.36%), MH (15.10%), PB (21.40%), RJ (10.13%), TN (5.33%) Bharti Airtel – AP (6.82%), Assam (7.37%), Bihar (6.33%), GJ (9.67%), KR (6.17%), KTK (7.43%), MH (9.74%), NE (11.75%), Orissa (9.95%), RJ (7.76%), TN (7.87%), UP-E (15.94%), WB (9.20%) Vodafone – MP (5.58%) Idea – GJ (7.42%), HP (14.65%), HR (5.56%), MH (8.36%), MP (6.20%), Mumbai (9.52%), RJ (9.33%), TN (9.97%), UP-E (7.16%), UP-W (6.18%) Aircel – Chennai (12.72%), KR (6.21%), MH (6.05%), TN (5.43%) Dishnet – Assam (35.08%), Bihar (20.51%), HP (21.16%), J&K (25.15%), Kol (8.87%), NE (44.77%), OR (19.18%), WB (25.29%) SPICE – PB (6.48%) Sistema – Bihar(6.77%)

Parameters	Benchmark	Service Providers not meeting the Benchmarks
Connection with good voice quality	≥ 95%	Bharti Airtel – NE (92.4%) Dishnet – Assam (90.05%), Bihar (93.60%), J&K (93.45%), NE (92.50%), WB (93.91%)
Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark)	≤ 0.5%	BSNL – GJ (1.33), HP (4.67), Kol (2), KR (2.33), UP-W (1) MTNL –Delhi (4) Bharti Airtel – Bihar (1.67), KR (0.67) TTSL – AP (2) Idea – MH (1.33) Aircel –KTK, Mumbai & TN both (1) Dishnet – Bihar (4.0), HP (3.67), J&K (3.0), Kol (3.33), NE (1.0), OR (4.33), UP-E (0.67), WB (4.67) Sistema – Bihar (0.67)
Metering and Billing		
Metering and billing credibility - post paid	≤ 0.1%	BSNL - Chennai (0.5%) Bharti Airtel – OR (0.1%), UP-E (0.2%), UP-W (0.2%) Idea – MH (0.59%) Aircel – AP (1.1%), Chennai (0.81%), Delhi (0.9%), KR (3.63%), Mumbai (1.63%), MH (2.78%) Dishnet – J&K (0.17%), Kolkata (2.96%), WB (0.15%) Vodafone – Assam (0.43%), NE (1.01%)
Metering and billing credibility - pre paid	≤ 0.1%	BSNL – Chennai (0.4%), Kol (0.2%), RJ (0.23%), UP-W (0.48%) Idea – MH (0.18%), OR (0.16%) Aircel – AP (0.34%), Delhi (0.19%), KR (0.27%), Mumbai (0.3%), MH (0.36%), TN (0.28%) Dishnet – Asasm (0.22%), HP (0.51%), J&K (0.7%), Kolkata (0.33%), OR (0.28%), UP-E (1.14%), UP-W (0.54%), WB (0.17%) Vodafone – Assam (0.25%), , NE (0.15%)
Resolution of billing/charging/validity complaints	100% within 4 weeks	Bharti Airtel - Assam (95.7%), MH (97.6%), Mumbai (98.8%), TN (97.2%) Tata Tele. – AP (89.1%), Assam (91.6%), Bihar (92.4%), Chennai (97.2%), Delhi (96.5%), GJ (97.9%), HR (98.9%), J&K (98.5%), Kol (96.5%), KTK (97.5%), NE (93.5%), OR (98.3%), RJ (98.5%), WB (98.6%)
Period of applying credit/ waiver/ adjustment to customer’s account from the date of resolution of complaints	within 1 week of resolution of complaint	All the Operators have met this benchmark
Response time to the customer for assistance		
Accessibility of call centre/ customer care	≥ 95%	BSNL – Kolkata (93%), PB (88%) Bharti Airtel – Bihar (88.6%), UP-E (85%) Tata Tele. – J&K (84%) Idea – Bihar (64%), MH (94%), RJ (89%), UP-W (85%) Sistema – RJ (90%)

Parameters	Benchmark	Service Providers not meeting the Benchmarks
%age of calls answered by the operators (voice to voice) within 60 seconds	≥ 90%	<p>BSNL – AP (85%), J&K (89%)</p> <p>Bharti Airtel – Assam (88%), Bihar (85%), Delhi (84%), J&K (67%), KR (87%), KTK (87%) UP-W (87%), WB (86%)</p> <p>RCOM – AP (73%), Chennai (85%), Delhi (75%), GJ (79%), HP (73%), HR (64%), Kol (79%), KR (84%), KTK (76%), Mumbai (83%), MH (83%), MP (81%), OR (81%), PB (73%), RJ (80%), TN (84%), UP-E (86%), UP-W (83%), WB (79%)</p> <p>RTL – Assam (89%), HP (48%), Kol (66%), MP (74%), Orissa (53%), WB (14%)</p> <p>Tata Tele. – Delhi (83%), HR (83%), J&K (74%), PB (84%), UP-E (82%), UP-W (88%)</p> <p>Vodafone – AP (88%), UP-E (89%)</p> <p>Idea – AP (84%), Delhi (57%), HP (66%), Mumbai (77%), RJ (84%)</p> <p>Aircel – AP (40%), Delhi (68%), KR (69%), KTK (85%), MH (52%), Mumbai (31%), TN (47%)</p> <p>Dishnet – Assam (88%), HP (84%), J&K (60%), Kol (72%), NE (76%), Orissa (62%), UP-E (53%), UP-W (80%), WB (26%)</p>
Termination / closure of service		
%age requests for Termination / Closure of service complied within 7 days	100% within 7 days	<p>Tata Tele. – Assam (89%), Kol (92%), KTK (98.9%), OR (96%)</p> <p>Vodafone – Kol (82%), WB (98.3%)</p> <p>Idea – Bihar (80%), MH (98%), Mumbai (98%), TN (96%)</p> <p>Aircel – AP (69.1%), Chennai (98.7%), Delhi (86.3%)</p>
Time taken for refund of deposits after closures	100% within 60 days	<p>Bharti Airtel – HR (98.7%)</p> <p>Tata Tele. – AP (96.4%), Assam (60.6%), Bihar (47.2%), Chennai (88.2%), Delhi (96.7%), GJ (98.3%), HP (95.6%), Kol (85.6%), KR (76.5%), KTK (78.4%), NE (66%), OR (86.8%), PB (95.9%), TN (79.4%), UP-E (98.4%), WB (72.5%)</p> <p>Vodafone –Mumbai (95%)</p> <p>Aircel – AP (75%)</p>

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

Section B: Quality of Service Performance of Wireline Service Providers

Table 4.3: QoS Summary - Wireline Service

S. No.	Parameters	Benchmark	No. of operators not meeting the benchmarks			
			September, 2009		December, 2009	
			Out of 88 In Nos	Out of 88 In %age	Out of 88 In Nos	Out of 88 In %age
(i)	Fault incidences per 100 subs/month	≤ 5	17	19.32%	14	15.91%
(ii) a	% Fault repaired by next working day	≥ 90%	17	19.32%	21	23.86%
(ii) b	% Fault repaired within 3 days (for urban areas)	≥ 100%	46	52.27%	57	64.77%
(ii) c	% Fault repaired within 5 days (for rural & hilly areas)	≥ 100%	23	26.14%	35	39.77%
(iii)	MTTR	<8Hrs	19	21.59%	29	32.95%
(iv) a	Call Completion Rate (in local network)	≥ 55%	3 (out of 68 Licensees)	4.41%	3 (out of 68 Licensees)	4.41%
(iv) b	Answer to Seizure Ratio (ASR)	≥ 75 %	1 (out of 20 Licences)	5.00%	0 (out of 20 Licences)	0.00%
(v)	Point of Interconnection (POI) Congestion (No. of POIs not meeting benchmark)	≤ 0.5%	19	21.59%	14	15.91%
(vi)	Metering & billing credibility – Post-paid	≤ 0.1%	5	5.68%	2	2.27%
(vii)	Metering & billing credibility – Pre-paid #	≤ 0.1%	-	-	-	-
(viii)	Resolution of billing/charging/Credit & validity complaints	100% within 4 weeks	7	7.95%	13	13.64%
(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	4	4.55%	2	2.27%
(x)	Response time to the customer for assistance					
(x) a	Accessibility of call centre/ customer care	≥ 95%	33	37.50%	18	20.45%
(x) b	%age of calls answered by the operators (voice to voice) within 60 seconds	≥ 90%)	31	35.23%	7	7.95%
(xi)	Termination / closure of service	100% within 7 days	20	22.73%	24	27.27%
(xii)	Time taken for refund of deposits after closures	100% within 60 days	1	1.14%	1	1.14%

NOTE : None of the SPs have reported for the parameter “Metering and billing credibility - pre paid”

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

- a. Fault incidences per 100 subs/month
- b. Answer to Seizure Ratio (ASR)
- c. Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark)
- d. Metering and billing credibility - post paid
- e. Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of complaints
- f. Accessibility of call centre/ customer care
- g. %age of calls answered by the operators (voice to voice) within 60 sec.

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

- a. % Fault repaired by next working day
- b. % Fault repaired within 3 days
- c. % Fault repaired within 5 days
- d. Mean Time To Repair (MTTR)
- e. Resolution of billing/charging/Credit & validity complaints
- f. Termination / Closure of service 100% within 7 days

4.7 The performance of the Basic Telephone Service (Wireline) Service Providers is at same level as compared to the previous quarter in respect of the parameter of "Call completion rate (in local network)" and "Time Taken for Refund of deposits after closures".

Table 4.4: Parameter wise QoS of Wireline Service Providers

Parameters	Benchmark	Service Providers not meeting the Benchmarks
Fault incidences per 100 subs/month	≤ 5	BSNL - Assam (5.61), Chattisgarh (6.28), GJ (5.10), J&K (7.74), HP (7.15), KR (6.56), MH (6.87), PB (7.04), Uttaranchal (5.40), UP-W (5.97), WB (5.88) MTNL - Delhi (6.78), Mumbai (6.80) Bharti Airtel - MP (8.50)
% Fault repaired by next working day	≥ 90%	BSNL - A&N (87.10%), Bihar (81.35%), J&K (69.36%), HP (86.70%), Kolkata (88.86%), Kerala (87.03%), MH (89.67%), NE-I (88.66%), PB (87.67%) MTNL - Delhi (80.68%), Mumbai (89.79%) Tata Tele. - AP (86.06%), Chennai (76.98%), HP (72.73%), HR (44.447%), KR (81.25%), KTK (84.40%), MP (62.50%), PB (87.08%), RJ (33.3%), TN (61.11%)
% Fault repaired within 3 days	≥ 100%	BSNL - AP (97.56%), Bihar (90.11%), Chattisgarh (98.30%), J&K (78.58%), HP (94.66%), Kolkata (98.01%), Kerala (95.53%), KTK (96.77%), MH (95.02%), NE-I (94.84%), NE-II (98.39%), Orissa (97.37%), PB (90.78%), RJ (98.80%), UP-E (98.47%), UP-W (98.97%), Uttaranchal (97.76%), WB (96.31%) MTNL - Delhi (90.28%), Mumbai (95.90%) Bharti Airtel - MH (98.83%), MP (97.05%), Mumbai (98.71%) Tata Tele. - AP (96.02%), Bihar (93.70%), Chennai (89.68%), Delhi (98.33%), GU (98.20%), HP (90.91%), HR (70.37%), KR (87.50%), KTK (92.89%), MP (75%), OR (93.04%), PB (94.38%), TN (66.67%)
% Fault repaired within 5 days	≥ 100%	BSNL - AP (97.67%), Assam (98.08%), Bihar (77.49%), Chattisgarh (69.75%), J&K (64.54%), Kerala (93.21%), MH (98.92%), MP (98.24%), RJ (97.93%), UP-E (97.56%), WB (97.37%) Tata Tele. - AP (98.38%), Bihar (96.06%), Chennai (93.65%), HP (90.91%), HR (88.89%), Kerala (93.75%), KTK (95.87%), OR (96.84%), PB (96.07%), TN (72.22%)
MTTR	<8Hrs	BSNL - AP (12.74 hrs.), Assam (8.12 hrs.), Bihar (11.37 hrs.), Chattisgarh (9.05 hrs.), HP (13.20 hrs.), J&K (8.67 hrs.), Jharkhand (13.13 hrs.), Kerala (13.91 hrs.), MH (12.30 hrs.), NE-I (24.01 hrs.), NE-II (8.03 hrs.), PB (11.77 hrs.), WB (10.31 hrs.) MTNL - Delhi (11.40 hrs.), Mumbai (13.83 hrs.) Bharti Airtel - MP (9.77 hrs.), UP -E (8.02 hrs.), UP-W (8.21 hrs.) Tata Tele. - AP (11.1 hrs.), Bihar (9 hrs.), Chennai (17.9 hrs.), GJ (8.5 hrs.), HP (9.3 hrs.), HR (21.2 hrs.), KR (13 hrs.), KTK (19 hrs.), MP (13.2 hrs.), RJ (18.6 hrs.), TN (29.6 hrs.), WB (34.5 hrs.)
Call Completion Rate (in local network)	≥ 55%	BSNL - J&K (53.40%), Kolkata (53.96%) MTNL - Delhi (53.04%)
Answer to Seizure Ratio (ASR)	≥ 75 %	RCOM has met this parameter

Parameters	Benchmark	Service Providers not meeting the Benchmarks
Metering & billing credibility – Post-paid	≤ 0.1%	MTNL – Delhi (0.141%) Bharti Airtel – AP (0.236%)
Metering & billing credibility – Pre-paid #	≤ 0.1%	-
Resolution of billing/charging/validity complaints	100% within 4 weeks	MTNL – Delhi (93%) Bharti Airtel – AP (97.10%), TN (98.92%) Tata Tele. – AP (83.82%), Bihar (50%), Chennai (88.24%), Delhi (92.31%), GJ (61.67%), HR (16.67%), Kolkata (42.86%), KTK (92.31%), PB (60%)
Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of complaints	Within 1 week of resolution of complaint	Tata Tele. – Kolkata (94.44%)
Response time to the customer for assistance		
Accessibility of call centre/ customer care	≥ 95%	BSNL – Assam (87.9%), Bihar (85.23%), Chennai (92.92%), KTK (85.72%), MP (90.47%), NE-II (78.52%), TN (92.43%), UP-E (92.71%), UP-W (92.23%), WB (76.97%) MTNL – Mumbai (88.46%) Tata Tele. – AP (94.94%), J&K (53.57%), KOL (93.72%), Kerala (94.11%), KTK (92.53%), WB (93.86%) HFCL – PB (93.96%)
%age of calls answered by the operators (voice to voice) within 60 seconds	≥ 90%	BSNL – Kolkata (88.41%) MTNL – Mumbai (84.32%) Tata Tele. – AP (89.46%), Bihar (83.51%), J&K (51.67%), Kolkata (89.56%), KTK (85.36%)
Termination / closure of service		
%age requests for Termination / Closure of service complied within 7 days	100% within 7 days	BSNL – AP (87.2%), Bihar (95.25%), HP(98.05%), J&K (92.53%), Kerala (96.41%), MH (95.19%) Tata Tele. – AP (98.89%), Chennai (98.81%), Delhi (97.97%), KTK (98.93%), PB (98.58%)
Time taken for refund of deposits after closures	100% within 60 days	Tata Tele. – GJ (98.39%)

NOTE : # None of the SPs have reported for the Parameter "Metering and billing credibility - pre paid"

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

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

A. Dial-up service

Table 4.5: Performance on ISPs Quality of Service

Sr. No.	Name of the Service Provider	Dial-up access							Mean time to Restore of faults resulting as per subscriber complaints
		Service Activation time	Service Accessibility					GOS on the link connecting to PSTN node to ISP	
			Time to Access	Probability of accessing the ISP node (%)			ISP node unavailability in a month		
				1st Attempt	2nd Attempt	3rd Attempt			
		6 hrs	30 Sec	80.00%	90.00%	99.00%	30 Min	1 in 100	3 days
1	BHARAT SANCHAR NIGAM LTD.	0-4 hrs	16-30 Sec	90.00%	95.00%	100%	Nil	0.01	0-4 hrs
2	MAHANAGAR TELEPHONE NIGAM LTD, Delhi	Online	30 Sec	99.76%	99.99%	-	Nil	0.01	5 Min
	MAHANAGAR TELEPHONE NIGAM LTD, Mumbai	Immediate	26 Sec	100%	-	-	Nil	0.005	15 Min
3	BHARTI AIRTEL LTD.	Online	30-40 Sec	99.80%	100%	100%	<0.015	<0.01	2.67 Min
4	RELIANCE COMM. INFRASTRUCTURE LTD	Online	<25 Sec	98.00%	100%	-	Nil	NA	<8 hrs
5	TATA COMMUNICATIONS	Online	30Sec	80.00%	90.00%	99.00%	7Min	0.01	1.24 hrs
6	SIFY LTD.	3 Min	30 Sec	90.00%	95.00%	99.00%	20 Min	0.005	NA
7	DATA INFOSYS LTD.	2-3 Min	20-25 Sec	95.00%	97.00%	99.00%	30 Min	0.01	15 Min
8	ASIANET SATELITE COMMUNICATIONS	Immediate	10 Sec	98.00%	99.00%	100%	<30Min	0.002	27.51 hrs
9	HFCL INFOTEL LTD.	NA	30Sec	99.99%	100%	-	NA	0.005	2.26 hrs
10	TATA TELESERVICES (MH) / HUGHES TELECOM	NA	15 Sec	99.00%	100%	-	100%	0.001	7.21 hrs
11	HCL INFINET LTD.	4 Min	24 Sec	99.10%	99.20%	99.40%	24 Min	0.002	17-19 hrs
12	SHYAM INTERNET SERVICES LTD.	5 Min	20 Sec	98.50%	99.50%	99.99%	15 Min	0.01	1.5 hrs
13	BROADBAND PACENET (I) PVT.LTD.	2-4 hrs	30Min-4hrs	75.00%	80.00%	95.00%	NA	NA	30Min -4 hrs

Note:

NA= Data not available



Not meeting the benchmark

Service Activation Time

4.9 HFCL Infotel Ltd and Tata Teleservices Ltd. have not provided the data. All other ISPs have met the TRAI benchmark of 6 hrs.

Time to Access

4.10 All the ISPs have met the TRAI benchmark of 30 sec.

Probability of Accessing the ISP Node

4.11 All the Internet Service Operators have met this benchmark of 80% for first attempt, 90% for second attempt and 99% for third attempt in this quarter. However, M/s Broadband Pacenet (I) Pvt Ltd has not met the benchmark in all the three attempts.

ISP Node unavailability

4.12 ISP Nodes unavailability should not exceed 30 minutes in a month. All the ISPs have met the TRAI benchmark. However M/s HFCL Infotel Ltd and M/s Broadband Pacenet (I) Pvt Ltd have not provided the data.

Grade of Service

4.13 ISPs are required to maintain the Grade of Service on the link connecting PSTN Node to the ISP Node as 1 in 100. All the ISPs have maintained the Grade of Service. M/s. Reliance Comm. Infrastructure Ltd and M/s Broadband Pacenet (I) Pvt. Ltd have not provided data.

Mean Time to Restore (MTTR)

4.14 ISPs are required to rectify 90% of faults resulting due to subscriber complaint within 24 hours and 99% within three days. All the Operators have met this benchmark. M/s Sify Ltd has not provided data.

B. Broadband Service

4.15 Out of 99 Broadband Service providers 18 Service Providers are having subscriber base > 10,000 and these 18 Service providers share the 98.62% of total subscriber base. This report covers performance of 15 out of these 18 broadband Service Providers. Three service providers i.e. Syscon Infoway Pvt Ltd, Ankhnet Informations Pvt Ltd and Tikona Digital Networks Pvt. Ltd. (newly added service provider), have not submitted the report.

Table 4.6: Parameter-wise status of QoS benchmarks for Broadband service

Sl. No.	Parameters	Benchmarks	Name of Service Provider not Meeting the Benchmark
1	Service Provisioning/ Activation Time	100% in =< 15 working days	<p>BSNL:- AP(96.20%), Assam (90.20%), HP(97.90%), J&K(99.90%), MH(99.40%),TN(99.90%), UP(W) (99.90%), WB(97.30%)</p> <p>MTNL:- - Delhi (96.70%), Mumbai (88.90%)</p> <p>Tata Communications: East (99.00%), South 1(99.00%), South 2(99.00%), South 3 (99.00%), West 1 (96.00%)</p> <p>HFCL: Punjab(99.70%)</p> <p>Spectranet : All India (98.60%)</p>
2	Faults Repair /Restoration Time		
	% of faults repaired by next working day	>90%	<p>BSNL:- Jharkhand((83.80%), Kol(89.70%)</p> <p>MTNL:- Delhi (55.36%), Mumbai (74.03%)</p> <p>You Telecom: Guj(89.00%)</p>
	% of faults repaired within 3 working day	=>99%	<p>BSNL:- Assam(72.00%), Bihar(98.50%), Jharkhand94.10%), NEI(78.80%)</p> <p>MTNL:- Delhi (77.09%), Mumbai (86.23%)</p> <p>Bharti Airtel:- MP&CG (97.00%)</p> <p>Tata Communications:- South 1(98.00%), South 4(98.00%), West 1(98.00%)</p> <p>You Telecom India Pvt Ltd.: Guj(98.00%)</p>
3	Billing Performance		

Sl. No.	Parameters	Benchmarks	Name of Service Provider not Meeting the Benchmark
	% of bills disputed	(benchmark <2%)	Jharkhand(2.70%)
	%age of billing complaints resolved within 4 weeks	100% within 4 weeks	BSNL:- AP(99.70%), Assam(99.90%), Kerala(99.40%) MTNL : Delhi(95.15%) Bharti Airtel : AP(99.57%), Kerala(96.30%) Asianet: Kerala(99.46%) Tata Teleservices(MH) Ltd. : MH&Goa(98.78%)
	%age of cases to whom refund of deposits is made within 60 days of closures	100% within 60 days	You Telecom: All India (58.00%), AP (54.00%), Guj(34.00%), HR(74.00%), KTK (66.00%), MH(34.00%), TN(94.00%)
4	Response Time to the Customer for assistance		
	%age of calls answered by operator (Voice to voice) within 60 sec	>60%	MTNL: Mumbai(48.92%)
	%age of calls answered by operator (Voice to voice) within 90 sec	>80%	MTNL: Mumbai(53.51%)
5	Bandwidth utilisation/throughput		
	No. of Intra network links having Bandwidth utilisation >90% during peak hours (TCBH)		Bharti Airtel: AP(1Link), HR(2Link), KTK(4Link), Kol(1Link), Punjab(1Link) Hathway: AP(1Link), KTK(1Link), MH(1Link) Alliance: Kolkata (7Links)
6	Service availability /uptime (for all users) in %age	>98%	BSNL: Jharkhand(97.00%) WB(92.40%) Tata Communications: South 4 (96.64%) Ortel : Orissa (93.07%)
7.	Network latency (for wired broadband access)	<120 ms	Bharti Airtel : Guj(127ms), KTK(152ms), Kerala(169ms), TN(193ms)
	User reference point at POP/ISP Gateway node to IGSP/NIXI		
	User reference point at ISP Gateway node to International nearest NAP port abroad (terrestrial)	<350ms)	Bharti Airtel : AP(775ms), KTK(787ms), Kerala(756ms), TN(817ms)

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

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

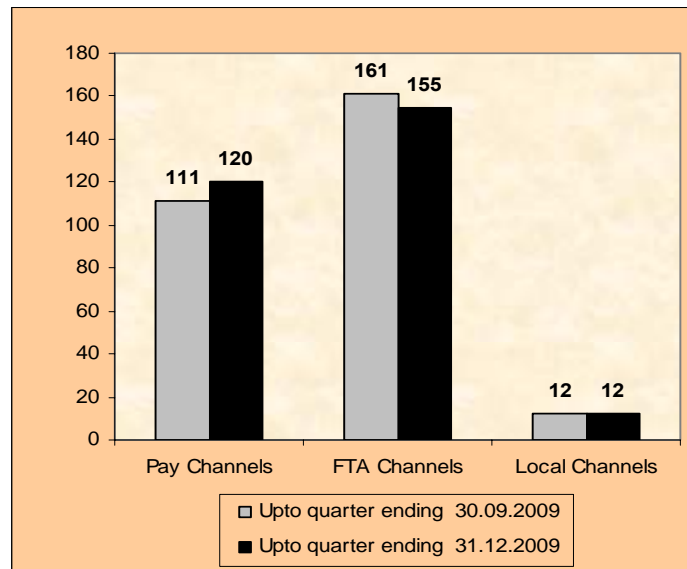
Table 5.1: Key Parameters

S.No	Parameter	Sep-09	Dec-09
1	Number of Broadcasters/ Distributors	23	23
2	Number of channels registered with Ministry of I&B	472	485
3	Total Number of Pay Channels reported by Broadcasters/ Distributors	138	142
4	Maximum number of Pay TV Channels carried by certain cable operator	111	120
5	Maximum number of Free to Air (FTA) TV Channels carried by certain cable operator	161	155
6	Private FM Radio stations in operation	248	248
7	Private DTH Operators	6	6
8	Licenseses of community radio stations	83	88
9	Operational community radio station	47	50
10	Teleport Service Providers in operation	58	61
11	Number of Set top boxes in (Delhi , Mumbai, Kolkata and Chennai)	7,34,016	7,45,953

Cable TV Services

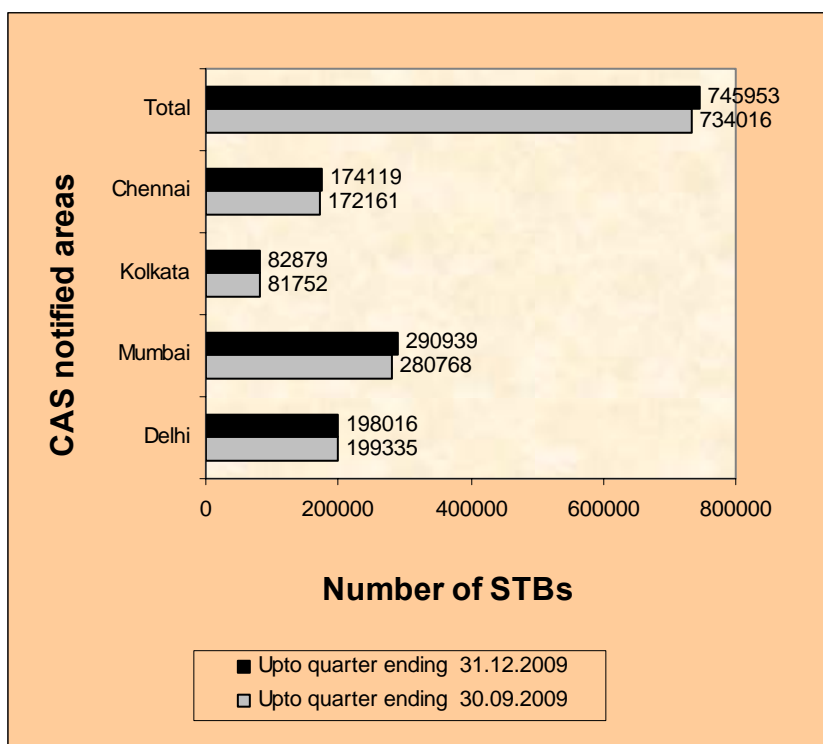
5.1 Chart 5.1 depicts the maximum number of Free-to-Air (FTA) channels, Pay channels and local channels being carried by the Multi System Operators (MSOs) in their network across the country. This is based on the reports received from some of the major service providers regarding the number of channels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

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



- 5.2 The maximum number of FTA and Pay Channels reportedly being carried in the cable networks are 155 and 120 respectively in this quarter. However, these numbers relate to different networks and hence cannot be added for arriving at the total number of channels.
- 5.3 Maximum number of TV channels being carried by any of the reported MSOs is 253, whereas in conventional analogue form, the maximum number of channels being carried by the reported MSOs is 100 channels.
- 5.4 At the end of the quarter Sep-09, there were 7,34,016 number of set top boxes (STBs) installed in the CAS notified areas of Delhi, Mumbai, Kolkata and Chennai. This has increased to 7,45,953 at the end of Dec-09.

Chart 5.2 : Set Top Boxes (STBs)



Satellite TV Channels

5.5 At the end of Dec-09, Total Number of channels registered with Ministry of I&B is 485. There are reportedly 142 pay TV channels in existence. These 142 pay TV channels are being broadcasted/distributed by 23 broadcasters or their distributors. The list of broadcasters/distributors of pay TV channels alongwith the reported rates of pay channels for Non-CAS areas is at Annexure-5.1.

5.6 In the quarter ending Dec-09, 5 channels were converted from FTA to pay by the broadcaster (M/s Channel Plus) and one channel namely 'Play TV' was discontinued by the broadcaster (M/s Zee Turner Limited). The details of converted channels from FTA to Pay are as under :-

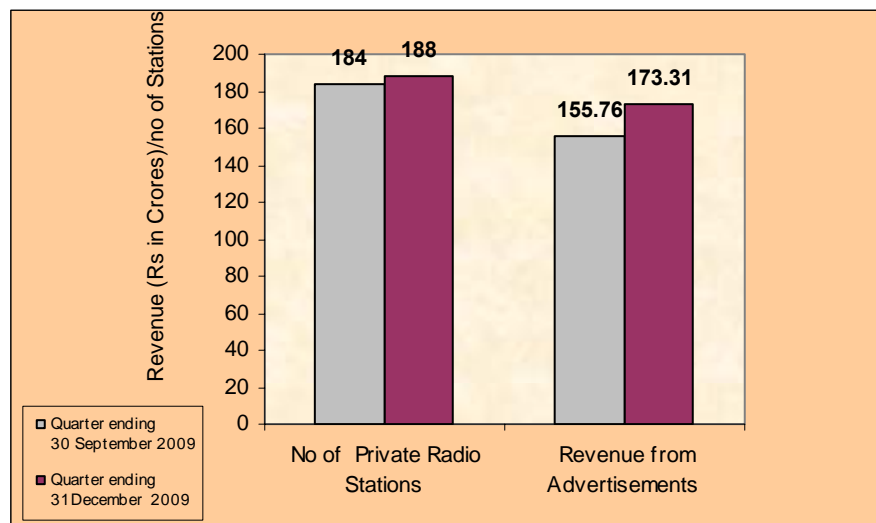
S.No	Name of the Broadcaster	Name of the converted channel from FTA to Pay
1	M/s Channel Plus	Chutti TV
2	M/s Channel Plus	Udaya II
3	M/s Channel Plus	Adithya TV
4	M/s Star Den Media Services Private Limited	Star Jalsha
5	M/s Star Den Media Services Private Limited	Star Ananda

FM Radio Services

5.7 Apart from All India Radio, there were 248 FM Radio station in operation as on as on 30th Sepetmber 2009. No new private FM radio station came into operation during the quarter. A list of 248 FM Radio stations is at Annexure-5.2.

5.8 32 FM Radio Service Providers have reported revenue from Advertisement in respect of 188 Radio Stations and that amounts to Rs. 173.71 Crores. In the previous quarter Rs. 155.76 crores were reported as the Advertisment revenue by 30 FM Service Providers in respect of 184 radio stations. However, the details do not pertain to the same set of service providers.

Chart 5.3: Comparative position of Revenue from FM Radio Stations



Community Radio

5.9 At the quarter ending Sep-09, out of 83 licensees of community radio stations, 47 stations were in operation. In the quarter ending Dec-09, 5 licenses were issued. Now, out of 88 licensees, 50 stations are in operation.

Table 5.2: Status of applications for community radio station licenses received from Ministry of Information and Broadcasting upto the end of December, 2009

	As on 31.12.2009
Total No. of Applications Received	584
No of Licenses issued	88
No of Letters of Intent Issued	189
No of Applications rejected	87
No of stations operational	50

Source: Ministry of Information & Broadcasting

DTH Services

5.10 Besides the free DTH service of Doordarshan, there are 6 private DTH licensees.

5.11 All the six private licensees are offering pay DTH services to the consumers as on 31.12.2009. Total number of reported registered subscribers is 19.1 million. The list of DTH licensees is at Annexure-5.3.

Teleport Service

5.12 Upto quarter ending Sep-09, there were 58 Teleport Service Providers in operation in India. 3 new licenses were issued in this quarter, taking the number of Teleport Service providers to 61. A list of the stations is at Annexure-5.4.

Annexures

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

SL NO	Service Provider	Area for which licensed with No.	UASL	CMTS
1	Bharti	All India (22)	All India except NE	North East
2	Aircel Group	All India (23)	All India except Chennai & TN	Chennai & Tamil Nadu
3	Reliance Gommunications	All India (except Assam & NE) (20)	All	
4	Reliance Telecom	Kolkata, MP, WB, HP, Bihar, OR, Assam & NE (8)	All	
5	Vodafone	All India (23)	All	
6	Tata Teleservices	All India (22)	All	
7	IDEA	All India (22)	Mumbai, Chennai & TN, Kol, KTK, Pb, WB, Bihar, OR, Assam, NE & J&K	Delhi, Mah., Guj., AP, Kerala, Haryana, UP-W, UP-E, Raj., MP, HP
8	Sistema Shyam Telelink	All India (22)	All	
9	BSNL	All India (except Delhi & Mumbai) 21		All
10	MTNL	Delhi Mumbai (2)		All
11	Loop Telecom Private Ltd	All India (22)	All except Mumbai	Mumbai
12	Unitech Group	All India (22)	All	
13	Datacom Solutions Pvt. Ltd.	All India except Pb (21)	All	
14	M/s Etisalat DB Telecom Pvt. Ltd & M/s Allianz Private Ltd	Delhi, Mumbai, Mah, Guj, AP, Ktk, Chennai & TN, KR, Punjab, HR, UP (W), UP (E) , Raj, MP & Bihar (15)	All	
15	Spice Communications	Delhi, Mah, AP, KTK, Punjab, Har (6)	All	
16	S Tel Ltd	HP, Bihar, Orissa, Assam, NE, J&K (6)	All	
17	HFCL	Punjab (1)	Punjab	

Source: DoT and Service providers

UASLs 241

CMTSs 38

Total 279

Annexure 1.2: Wireless Subscriber Base

Circle Service Area	Vodafone (GSM)		Bharti (GSM)		Idea/ Spice (GSM)		Aircel/Dishnet (GSM)		Reliance (GSM)	
	Sep-09	Dec-09	Sep-09	Dec-09	Sep-09	Dec-09	Sep-09	Dec-09	Sep-09	Dec-09
AP	4826493	5308228	10982799	12145100	5608871	6020680	513316	654782	1222563	1327600
Assam	405641	616994	1931357	2139327	-	42757	2078925	2208292	1480694	1595535
Bihar	1886121	2497061	9328172	10052157	1958679	2598473	2310852	2769654	3315723	3548515
Delhi	4466895	4730533	5415988	5720165	2369760	2451843	546606	770353	1266857	1753019
Gujarat	9001337	9759813	4769501	5009245	4445774	4902071	-	-	1457266	1834003
Haryana	2444667	2647870	1353890	1512092	1815160	1915261	-	-	744319	966236
Himachal Pradesh	88506	149176	1164278	1257497	176102	230578	234804	339961	763780	807290
Jammu & Kashmir	173518	157202	1902885	1724263	-	11684	1154640	1484090	308011	423891
Kerala	3729586	3964795	2970022	3061391	4900290	5071417	338578	660643	477936	695434
Kolkata	3219323	3372057	2688753	2736884	-	201294	678444	1086809	1229125	1368432
Karnataka	4295557	4678686	11085474	11822980	1926743	2321359	370363	614756	1250733	1462288
Maharashtra	5889390	6478362	6261008	6460502	8278063	8924182	55118	134657	1928060	2671751
Madhya Pradesh	783929	1329163	5572236	5981125	5902960	6603298	-	-	3309166	3856360
Mumbai	4756222	4931149	2859089	2971598	1162478	1261670	411820	668676	1249272	1642730
North East	313479	388120	1141794	1306508	-	3144	1310819	1423543	471717	492639
Orissa	702385	826548	3703479	3776610	275281	460739	1102424	1414870	1608352	1756929
Punjab	2560849	2838036	4188114	4490769	2769615	3026266	-	-	724240	1176910
Rajasthan	6180390	6978674	8646002	9608004	1811360	2141326	-	-	1478972	1909968
Tamil Nadu incl (Chennai)	7870247	8449288	9944161	10477410	530681	600535	12450215	13499396	1139802	1489571
UP-E	8176771	8847424	7218194	8142972	2640235	3307374	295875	666602	1934832	2808075
UP-W	5107985	5819801	3005020	3600826	4882350	5306026	283090	626143	1583169	2282453
WB Incl (A&N)	5966755	6531567	4379200	4866606	-	311307	1592744	2000770	1988118	2331990
Total	82846046	91300547	110511416	118864031	51454402	57713284	25728633	31023997	30932707	38201619

Annexure 1.2 (contd.)

Circle Service Area	Reliance (CDMA)		Tata			BSNL (GSM)		BSNL (CDMA)	
	Sep-09	Dec-09	Sep-09 (GSM + CDMA)	Dec-09 (GSM)	Dec-09 (CDMA)	Sep-09	Dec-09	Sep-09	Dec-09
AP	4825214	4943825	5070148	3346547	3285445	3815465	3989713	261179	259892
Assam	-	-	71156	-	74966	942057	993239	105903	106759
Bihar	3155998	3321774	2102126	444832	2225993	2937415	3545030	353119	363753
Delhi	3498853	3598522	5130788	-	5203284	-	-	-	-
Gujarat	3358493	3249634	1567031	-	1577539	2623437	2705610	252746	256138
Haryana	1333233	1249120	1490471	673846	1460880	2134650	2240732	103256	107526
Himachal Pradesh	317166	319477	146928	-	140850	1030188	1126296	85668	86153
Jammu & Kashmir	773	768	95739	-	120364	883790	966046	64777	99044
Kerala	2477918	2511307	1484966	1285173	817863	3069674	3293938	567525	571381
Kolkata	2033301	2105980	1591032	530202	1580768	1666543	1720657	40252	41897
Karnataka	3546137	3478783	3216844	3061907	1453170	2746593	3055025	429290	428318
Maharashtra	3782291	3685647	5865809	1785443	5262175	3837883	4076036	426453	495888
Madhya Pradesh	3891960	3923877	2065308	1581014	1397436	2720481	2835038	677699	798697
Mumbai	3825643	3756283	3169591	1226567	2621788	-	-	-	-
North East	-	-	45005	-	55297	756782	830675	115806	116098
Orissa	807577	786691	1306137	937156	680872	1776291	1995735	196183	204140
Punjab	1276571	1200642	1532311	356409	1543958	3200347	3356918	92668	87851
Rajasthan	2310366	2419024	2765214	-	2711489	3213113	3428031	327618	335198
Tamil Nadu incl (Chennai)	4993075	5015218	2894598	2794275	1104290	4862024	5045324	448557	450127
UP-E	4548037	4773211	1672887	315028	1703773	6487121	7034600	407962	422415
UP-W	3402319	3387923	2419298	271949	2542459	2705866	2889867	262502	264166
WB Incl (A&N)	1800031	1866288	1090104	75823	1078619	1993936	2102067	133779	135196
Total	55184956	55593994	46793491	18686171	38643278	53403656	57230577	5352942	5630637

Annexure 1.2 (contd.)

Circle Service Area	MTNL (GSM)		MTNL (CDMA)		Sistema (CDMA)		HFCL (CDMA)		Loop (GSM)	
	Sep-09	Dec-09	Sep-09	Dec-09	Sep-09	Dec-09	Sep-09	Dec-09	Sep-09	Dec-09
AP	-	-	-	-	-	-	-	-	-	-
Assam	-	-	-	-	-	-	-	-	-	-
Bihar	-	-	-	-	86691	235251	-	-	-	-
Delhi	2003954	2164120	142057	141655	-	171521	-	-	-	-
Gujarat	-	-	-	-	-	-	-	-	-	-
Haryana	-	-	-	-	-	299	-	-	-	-
Himachal Pradesh	-	-	-	-	-	-	-	-	-	-
Jammu & Kashmir	-	-	-	-	-	-	-	-	-	-
Kerala	-	-	-	-	99772	155631	-	-	-	-
Kolkata	-	-	-	-	178228	274611	-	-	-	-
Karnataka	-	-	-	-	-	103769	-	-	-	-
Maharashtra	-	-	-	-	-	2	-	-	-	-
Madhya Pradesh	-	-	-	-	-	-	-	-	-	-
Mumbai	2365548	2401140	168582	168998	-	4562	-	-	2495087	2649730
North East	-	-	-	-	-	-	-	-	-	-
Orissa	-	-	-	-	-	-	-	-	-	-
Punjab	-	-	-	-	-	-	379654	341862	-	-
Rajasthan	-	-	-	-	1009394	1149788	-	-	-	-
Tamil Nadu incl (Chennai)	-	-	-	-	316100	450791	-	-	-	-
UP-E	-	-	-	-	-	-	-	-	-	-
UP-W	-	-	-	-	-	-	-	-	-	-
WB Incl (A&N)	-	-	-	-	270381	440842	-	-	-	-
Total	4369502	4565260	310639	310653	1960566	2987067	379654	341862	2495087	2649730

Annexure 1.2 (contd.)

Circle Service Area	Stel (GSM)		Unitech (GSM)		Total	
	Sep-09	Dec-09	Sep-09	Dec-09	Sep-09	Dec-09
AP	-	-	-	157065	37126048	41438877
Assam	-	-	-	-	7015733	7777869
Bihar	-	57409	-	127261	27434896	31787163
Delhi	-	-	-	-	24841758	26705015
Gujarat	-	-	-	-	27475585	29294053
Haryana	-	-	-	-	11419646	12773862
Himachal Pradesh	-	16327	-	-	4007420	4473605
Jammu & Kashmir	-	-	-	-	4584133	4987352
Kerala	-	-	-	90210	20116267	22179183
Kolkata	-	-	-	-	13325001	15019591
Karnataka	-	-	-	264141	28867734	32745182
Maharashtra	-	-	-	-	36324075	39974645
Madhya Pradesh	-	-	-	-	24923739	28306008
Mumbai	-	-	-	-	22463332	24304891
North East	-	-	-	-	4155402	4616024
Orissa	-	67675	-	44071	11478109	12952036
Punjab	-	-	-	-	16724369	18419621
Rajasthan	-	-	-	-	27742429	30681502
Tamil Nadu incl (Chennai)	-	-	-	202032	45449460	49578257
UP-E	-	-	-	172288	33381914	38193762
UP-W	-	-	-	151062	23651599	27142675
WB Incl (A&N)	-	-	-	-	19215048	21741075
Total	0	141411	0	1208130	471723697	525092248

Annexure 1.3: Wireline Subscriber Base

Service Area	Bharti		Reliance		HFCL		Sistema		Tata		MTNL		BSNL		Circle-wise Total		
	Sep-09	Dec-09	Sep-09	Dec-09	Sep-09	Dec-09	Sep-09	Dec-09	Sep-09	Dec-09	Sep-09	Dec-09	Sep-09	Dec-09	Sep-09	Dec-09	Net Additions
Andhra Pradesh	115,184	116,231	84,458	83,751	-	-	-	-	138,895	154,130	-	-	2,139,218	2,101,314	2,477,755	2,455,426	(22,329)
Assam	-	-	-	-	-	-	-	-	65	184	-	-	334,617	328,418	334,682	328,602	(6,080)
Bihar	-	-	2,572	2,821	-	-	-	-	3,876	5,263	-	-	1,374,674	1,373,755	1,381,122	1,381,839	717
Delhi	904,328	923,248	165,320	171,181	-	-	-	-	28,471	41,541	1,535,106	1,536,072	-	-	2,633,225	2,672,042	38,817
Gujarat	42,839	45,430	112,174	113,981	-	-	-	-	46,287	49,475	-	-	1,867,963	1,862,850	2,069,263	2,071,736	2,473
Haryana	21,957	22,079	5,064	3,671	-	-	-	-	6,097	9,108	-	-	800,104	780,165	833,222	815,023	(18,199)
Himachal Pradesh	-	-	3,357	3,378	-	-	-	-	797	1,089	-	-	360,016	353,883	364,170	358,350	(5,820)
Jammu & Kashmir	-	-	6	8	-	-	-	-	17	42	-	-	231,300	229,275	231,323	229,325	(1,998)
Karnataka	448,803	459,023	100,849	100,234	-	-	-	-	87,867	105,307	-	-	2,113,777	2,090,698	2,751,296	2,755,262	3,966
Kerala	51,266	51,531	54,394	53,868	-	-	-	-	8,004	9,124	-	-	3,420,547	3,397,562	3,534,211	3,512,085	(22,126)
Kolkata	68,620	72,281	92,516	93,732	-	-	-	-	17,773	20,774	-	-	1,352,519	1,339,063	1,531,428	1,525,850	(5,578)
Madhya Pradesh	302,587	304,267	32,389	32,270	-	-	-	-	2,819	3,080	-	-	1,264,394	1,242,805	1,602,189	1,582,422	(19,767)
Maharashtra	56,783	59,156	76,784	78,308	-	-	-	-	147,684	156,195	-	-	2,821,417	2,746,902	3,102,668	3,040,561	(62,107)
Mumbai	289,239	296,524	174,665	181,343	-	-	-	-	450,992	467,192	1,979,348	1,955,172	-	-	2,894,244	2,900,231	5,987
North East	-	-	-	-	-	-	-	-	45	71	-	-	333,223	326,158	333,268	326,229	(7,039)
Orissa	-	-	3,036	3,313	-	-	-	-	3,008	4,510	-	-	620,729	606,741	626,773	614,564	(12,209)
Punjab	91,318	94,273	43,084	41,175	165,978	168,761	-	-	9,892	11,033	-	-	1,316,065	1,296,538	1,626,337	1,611,780	(14,557)
Rajasthan	35,010	35,480	21,847	21,753	-	-	95,181	51,686	2,522	3,541	-	-	1,441,993	1,426,997	1,596,553	1,539,457	(57,096)
Tamil Nadu (incl. Chennai)	435,702	441,956	131,182	134,541	-	-	-	-	37,061	47,967	-	-	3,016,784	2,968,140	3,620,729	3,592,604	(28,125)
U.P.(E)	41,845	44,035	34,921	34,163	-	-	-	-	6,588	7,468	-	-	1,396,900	1,404,527	1,480,254	1,490,193	9,939
U.P.(W)	22,773	23,032	9,348	8,147	-	-	-	-	2,916	4,291	-	-	1,287,758	1,287,311	1,322,795	1,322,781	(14)
West Bengal	-	-	4,271	3,155	-	-	-	-	1,585	1,787	-	-	952,971	932,837	958,827	937,779	(21,048)
Total	2,928,254	2,988,546	1,152,237	1,164,793	165,978	168,761	95,181	51,686	1,003,261	1,103,172	3,514,454	3,491,244	28,446,969	28,095,939	37,306,334	37,064,141	(242,193)

Annexure 1.4: Service Provider wise details of PCOs

S.No.	Name of the Circle/Service Area	Service Provider	30 th September 2009	31 st December 2009	Net PCO added/decreased during the Q.E. Dec.' 09	Percentage Growth/Decline for the Q.E. 31.12.2009
1	Andaman & Nicobar	BSNL	699	588	-111	-15.88
2	Andhra Pradesh	BSNL	182888	169545	-13343	-7.30
		TATA	167500	161465	-6035	-3.60
		Reliance	380842	370956	-9886	-2.60
		Bharti	2359	1941	-418	-17.72
3	Assam	BSNL	33752	33740	-12	-0.04
		TATA	0	1550	1550	-
4	Bihar(including Jharkhand)	BSNL	85255	84825	-430	-0.50
		Reliance	87700	79399	-8301	-9.47
		TATA	98,968	86,953	-12015	-12.14
5	Delhi	Bharti	161	172	11	6.83
		MTNL	73144	71437	-1707	-2.33
		TATA	52581	55311	2730	5.19
		Reliance	57789	57574	-215	-0.37
6	Gujarat	BSNL	81852	79579	-2273	-2.78
		Reliance	92839	82742	-10097	-10.88
		TATA	109389	96121	-13268	-12.13
		Bharti	233	198	-35	-15.02
7	Haryana	BSNL	24522	23978	-544	-2.22
		Bharti	24	9	-15	-62.50
		Reliance	17680	16692	-988	-5.59
		TATA	22303	20388	-1915	-8.59
8	Himachal Pradesh	BSNL	10920	10273	-647	-5.92
		Reliance	4384	6419	2035	46.42
		TATA	5914	5621	-293	-4.95
9	Jammu & Kashmir	BSNL	10750	10575	-175	-1.63
		TATA	0	860	860	-
10	Karnataka	BSNL	229911	222975	-6936	-3.02
		Bharti	36938	34404	-2534	-6.86
		TATA	136540	131099	-5441	-3.98
		Reliance	211850	185760	-26090	-12.32
11	Kerala	BSNL	118841	113973	-4868	-4.10
		Reliance	98489	79086	-19403	-19.70
		Bharti	6541	5114	-1427	-21.82
		TATA	42100	36469	-5631	-13.38

Annexure 1.4 (Contd.)

12	Madhya Pradesh (Including Chattisgarh)	BSNL	62326	61490	-836	-1.34
		Bharti	26736	24841	-1895	-7.09
		Reliance	72793	57885	-14908	-20.48
		TATA	47700	44010	-3690	-7.74
13	Maharashtra (including Mumbai)	BSNL & MTNL	369173	354655	-14518	-3.93
		TATA	531564	528241	-3323	-0.63
		Bharti	395	339	-56	-14.18
		Reliance	315267	292556	-22711	-7.20
	Mumbai	MTNL	131900	128843	-3057	-2.32
		TATA	134,152	135,756	1604	1.20
		Bharti	295	252	-43	-14.58
		Reliance	124016	116301	-7715	-6.22
	Maharashtra excluding Mumbai	BSNL	237273	225812	-11461	-4.83
		Tata	397412	392485	-4927	-1.24
		Bharti	100	87	-13	-13.00
		Reliance	191251	176255	-14996	-7.84
14	North East	BSNL	18056	18000	-56	-0.31
		TATA	0	486	486	-
15	Orissa	BSNL	22399	20927	-1472	-6.57
		Reliance	35041	25952	-9089	-25.94
		TATA	61407	45776	-15631	-25.45
16	Punjab	BSNL	21466	20470	-996	-4.64
		HFCL	23794	21867	-1927	-8.10
		Reliance	23528	24088	560	2.38
		Bharti	59	44	-15	-25.42
		TATA	51958	53096	1138	2.19
17	Rajasthan	BSNL	51670	49852	-1818	-3.52
		Bharti	49	19	-30	-61.22
		STL	36143	36143	0	0.00
		Reliance	78164	71058	-7106	-9.09
		TATA	43924	27673	-16251	-37.00
18	Tamil Nadu (including Chennai)	BSNL	287505	281640	-5865	-2.04
		TATA	121156	106075	-15081	-12.45
		Bharti	44298	41182	-3116	-7.03
		Reliance	320812	258378	-62434	-19.46
	Chennai	BSNL	78403	77976	-427	-0.54
		Reliance	67323	55493	-11830	-17.57
	Tamil nadu (excluding Chennai)	BSNL	209102	203664	-5438	-2.60
		TATA	121156	106075	-15081	-12.45
		Bharti	44298	41182	-3116	-7.03
		Reliance	253489	202885	-50604	-19.96
19	Uttar Pradesh (East)	BSNL	120526	120016	-510	-0.42
		Reliance	111367	94525	-16842	-15.12
		Bharti	13	6	-7	-53.85
		TATA	62194	44811	-17383	-27.95

Annexure 1.4 (Contd.)

20	Uttar Pradesh (West) (including Uttranchal)	BSNL	56384	56012	-372	-0.66
		Reliance	91602	77305	-14297	-15.61
		Bharti	24	9	-15	-62.50
		TATA	48877	45958	-2919	-5.97
21	West Bengal (including Kolkata)	BSNL	120025	117030	-2995	-2.50
		Reliance	79710	68353	-11357	-14.25
		Bharti	7	11	4	57.14
		TATA	93451	91562	-1889	-2.02
	Kolkata	BSNL	62284	61277	-1007	-1.62
		Reliance	25029	22255	-2774	-11.08
		Bharti	7	11	4	57.14
		TATA	41779	40515	-1264	-3.03
	West Bengal (excluding Kolkata)	BSNL	57741	55753	-1988	-3.44
		Reliance	54681	46098	-8583	-15.70
		TATA	51672	51047	-625	-1.21
	TOTAL		5 937 221	5 520 132	- 417 089	-7.02

Annexure 1.5: Service Provider wise details of Village Public Telephones

S. No.	Name of the Circle/Service Area	Service Provider	30th September 2009	31st December 2009	Net VPT added/ decreased during the Q.E. Dec.' 09	Percentage Growth/ Decline for the Q.E. 31.12.2009
1	Andaman & Nicobar	BSNL	300	311	11	3.67
2	Andhra Pradesh	BSNL	22404	22994	590	2.63
		TATA	1358	1358	0	0.00
		Bharti	0	0	0	0.00
		Reliance	0	0	0	0.00
3	Assam	BSNL	23687	23833	146	0.62
4	Bihar(including Jharkhand)	BSNL	65346	65885	539	0.82
		Reliance	0	0	0	0.00
		TATA	0	0	0	0.00
5	Delhi	Bharti	0	0	0	0.00
		MTNL	0	0	0	0.00
		TATA	0	0	0	0.00
		Reliance	0	0	0	0.00
6	Gujarat	BSNL	16841	16886	45	0.27
		Bharti	0	0	0	0.00
		Reliance	4115	4115	0	0.00
		TATA	0	0	0	0.00
7	Haryana	BSNL	6688	6681	-7	-0.10
		Bharti	0	0	0	0.00
		Reliance	0	0	0	0.00
		TATA	0	0	0	0.00
8	Himachal Pradesh	BSNL	17250	17277	27	0.16
		Reliance	0	0	0	0.00
		TATA	0	0	0	0.00
9	Jammu & Kashmir	BSNL	5880	5944	64	1.09
10	Karnataka	BSNL	27418	27418	0	0.00
		Bharti	0	0	0	0.00
		Reliance	0	0	0	0.00
		TATA	0	0	0	0.00
11	Kerala	BSNL	1372	1372	0	0.00
		Bharti	0	0	0	0.00
		Reliance	0	0	0	0.00
		TATA	0	0	0	0.00
12	Madhya Pradesh (Including Chattisgarh)	BSNL	69843	69876	33	0.05
		Bharti	0	0	0	0.00
		Reliance	0	0	0	0.00
		TATA	0	0	0	0.00

Annexure 1.5 (contd.)

13	Maharashtra (including Mumbai)	BSNL& MTNL	38663	38906	243	0.63
		Bharti	0	0	0	0.00
		TATA	2542	2416	-126	-4.96
		Reliance	0	0	0	0.00
	Mumbai	MTNL	0	0	0	0.00
		Bharti	0	0	0	0.00
		Reliance	0	0	0	0.00
		TATA	126	0	-126	-100.00
	Maharashtra Excluding Mumbai	BSNL	38663	38906	243	0.63
		Bharti	0	0	0	0.00
		Reliance	0	0	0	0.00
		TATA	2416	2416	0	0.00
14	North East	BSNL	9121	9638	517	5.67
15	Orissa	BSNL	42768	43136	368	0.86
		Reliance	0	0	0	0.00
		TATA	0	0	0	0.00
16	Punjab	BSNL	12045	12047	2	0.02
		HFCL	189	179	-10	-5.29
		Bharti	0	0	0	0.00
		Reliance	0	0	0	0.00
		TATA	0	0	0	0.00
17	Rajasthan	BSNL	38788	38796	8	0.02
		Bharti	0	0	0	0.00
		Shyam	3010	3010	0	0.00
		Reliance	0	0	0	0.00
		TATA	0	0	0	0.00
18	Tamil Nadu (including Chennai)	BSNL	15432	15478	46	0.30
		Bharti	0	0	0	0.00
		TATA	0	0	0	0.00
		Reliance	0	0	0	0.00
	Chennai	BSNL	1609	1655	46	2.86
		Reliance	0	0	0	0.00
	Tamil Nadu (excluding Chennai)	BSNL	13823	13823	0	0.00
		TATA	0	0	0	0.00
Reliance		0	0	0	0.00	
Bharti		0	0	0	0.00	
19	U P (East)	BSNL	74057	74123	66	0.09
		Bharti	0	0	0	0.00
		Reliance	0	0	0	0.00
		TATA	0	0	0	0.00
20	UP (West) (incl. Uttaranchal)	BSNL	37186	38135	949	2.55
		Reliance	0	0	0	0.00
		Bharti	0	0	0	0.00
		TATA	0	0	0	0.00

Annexure 1.5 (contd.)

21	West Bengal (including Kolkata)	BSNL	33406	33595	189	0.57
		Bharti	0	0	0	0.00
		Reliance	0	0	0	0.00
		TATA	0	0	0	0.00
	Kolkata	BSNL	567	567	0	0.00
		Bharti	0	0	0	0.00
		Reliance	0	0	0	0.00
		TATA	0	0	0	0.00
	West Bengal (excluding Kolkata)	BSNL	32839	33028	189	0.58
		Reliance	0	0	0	0.00
		TATA	0	0	0	0.00
	Total		569,709	573,409	3,700	0.65

Note: M/s TTL has clarified that 126 VPTs are located in rural areas namely Raigad, Kalyan district surrounding Mumbai. Earlier M/s TTML by mistake had considered them in Mumbai as VPTs. The mistake has now been rectified by showing 'Nil' VPTs in Mumbai in the PMR for the QE Dec.09.

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

S. No.	Name of ISP
1.	Apna Telelink Ltd.
2.	Asianet Satellite Communications Ltd.
3.	Blazenet Ltd.*
4.	Broadband Pacenet (I) Pvt. Ltd
5.	City Online Services Ltd.
6.	CJ Online Pvt. Ltd.*
7.	Cordia LT Communications Pvt Ltd
8.	Data Infosys Ltd.
9.	delDSL Internet Pvt Ltd
10.	Digital2Virtual ISP Pvt. Ltd.
11.	Dishnet Wireless Ltd
12.	Fast Lynx Internet Service Pvt Ltd
13.	IKF Technologies Ltd
14.	Karuturi Telecom Private Limited(Estel Communications Pvt. Ltd).*
15.	Mahanagar Telephone Nigam Ltd.
16.	Manipal Ecommerce Ltd.
17.	My Own Infotech Pvt. Ltd
18.	Narmada Cyberzone Pvt Ltd
19.	Nettlinx Ltd.
20.	Opto Network Pvt. Ltd.
21.	Pulse Telesystems Pvt. Ltd.
22.	Sify Technologies Ltd.
23.	Swastik Netvision Telecom P Ltd*
24.	Swiftmail Communications Ltd.
25.	Tata Communications Internet Services Limited (VSNL Internet Services Ltd)(DIL Internet Ltd)
26.	Tata Communications Limited
27.	Tata Teleservices (Maharashtra) Ltd. (Hughes Telecom)
28.	Trak Online Net India Pvt.Ltd
29.	Trikon Electronics Pvt. Ltd.
30.	VIVA Communications Pvt Ltd(Mylai Karpagambal Information Systems (P) Ltd)
31.	World Phone Internet Services Pvt Ltd
32.	You Broadband & Cable India Private Limited (YOU Telecom India Pvt. Ltd).

* ISP has not submitted report for the quarter ending December'09.

Annexure 1.7: Subscriber Base for Internet Service Providers

S. No.	Name of ISP	Category	Geographical Area of Operation	Dialup	Leased Lines		DSL		Cable Modem		Ethernet LAN		Fiber		Wireless		Others		Total		Cyber café		G. Total	Dec'09 Total	Sep'09 Total	% Growth	Market Share
					<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb					
1	Bharat Sanchar Nigam Ltd.	A	All India	3784906	597	2416		4730260											597	4732676	3442		4736715	8521621	8077245	5.50	55.91
2	Mahanagar Telephone Nigam Ltd.	B	Delhi & Mumbai	1490031	27	159		768037											27	768196		30	768253	2258284	2222191	1.62	14.82
3	Bharti Airtel Ltd.	A	All India	4712	76	3740	274898	966573											274974	970313			1245287	1249999	1196691	4.45	8.20
4	Reliance Communications Infrastructure Limited	A	All India	7551	220	2090	101200	76110			29653	16394		901521	28651				1032594	123245			1155839	1163390	1090105	6.72	7.63
5	Hathway Cable & Datacom Pvt. Ltd.	A	All India						13	265864	4521	36102	26	530					4560	302496		340	307396	307396	312677	-1.69	2.02
6	Tata Communications Internet Services Limited	A	All India	91763	14	1131	8109	96491			299	66802	3256	15904	22	5746			11700	186074			197774	289537	307954	-5.98	1.90
7	Sify Technologies Ltd.	A	All India	0	1057	1068					150261	68813			5760	4615			157078	74496	3775	34	235383	235383	287699	-18.18	1.54
8	Data Infosys Ltd.	A	All India	249995		12				333					153				0	498			498	250493	250428	0.03	1.64
9	You Broadband & Cable India Private Limited (YOU Telecom India Pvt. Ltd).*	A	All India			872			55274	203435									55274	204307			259581	259581	200779	29.29	1.70
10	Asianet Satellite Communications Ltd.	B	Kerala	466					19019	66420			146						19019	66566		79	85664	86130	81894	5.17	0.57
11	HFCL Infotel Ltd.	B	Punjab Telecom Circle	381	105	283	2691	73285		72		100			67				2796	73807	1		76604	76985	74377	3.51	0.51
12	Tata Teleservices (Maharashtra) Ltd. (Hughes Telecom)	A	All India	1765		795	17270	49129											17270	49924			67194	68959	65085	5.95	0.45
13	Punj Lloyd (Spectra Net Ltd.)	A	All India		1	1024	67	200	34	61	26821	22148	5	169	150				26928	23752		2	50682	50682	43529	16.43	0.33
14	HCL Infinet Ltd.*	A	All India	39817	1486	591									153	109			1639	700			2339	42156	42156	0.00	0.28
15	Beam Cable System Pvt. Ltd.	B	Andhra Pardesh								22996	20857		233					22996	21090		61	44147	44147	37141	18.86	0.29
16	Ortel Communication Ltd.	A	All India							37120									0	37120			37120	37120	32965	12.60	0.24
17	Shyam Internet Services Ltd	B	Rajasthan	13147	1	16		1775											1	1791		7	1799	14946	32927	-54.61	0.10
18	Anknet Informations Pvt. Ltd.*	B	Mumbai			9						31776			23				0	31808		2	31810	31810	31810	0.00	0.21
19	Broadband Pacenet (I) Pvt. Ltd.*	A	Mumbai	12349	32	56				9666									32	9722		64	9818	22167	22167	0.00	0.15
20	Alliance Broadband Services Pvt. Ltd.	B	Kolkata								1027	20263		83					1027	20346		397	21770	21770	21116	3.10	0.14
21	Vodafone Essar Gujarat Ltd.*	B	Gujarat		1									18000					18001	0			18001	18001	18001	0.00	0.12

Annexure 1.7 (contd.)

S. No.	Name of ISP	Category	Geographical Area of Operation	Dialup	Leased Lines		DSL		Cable Modem		Ethernet LAN		Fiber		Wireless		Others		Total		Cyber café		G. Total	Dec'09 Total	Sep'09 Total	% Growth	Market Share
					<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	Franch isee	Non franch					
22	Syscon Infoway Pvt Ltd	B	Mumbai			56					316	905	11351		4				905	11727		1	12633	12633	17769	-28.90	0.08
23	Indusind Media & Communications Limited (In2cable (I) Ltd.)	A	All India					348	1445	4068	6975								4416	8420		34	12870	12870	12498	2.98	0.08
24	Hughes Communications India Ltd.	A	All India		122	98								6975	3578				7097	3676		138	10911	10911	11231	-2.85	0.07
25	IOL Netcom Limited*	B	Mumbai								9222		751						0	9973			9973	9973	9973	0.00	0.07
26	D-Vois Broadband Private Limited	A				5									9325				0	9330			9330	9330	9116	2.35	0.06
27	Southern Online Bio Technologies Ltd.	B	Andhra Pradesh	247		17					3731	5597		74	400				3731	6088		160	9979	10226	8617	18.67	0.07
28	West Bengal Electronics Industry Development Corp. Ltd.	B	Kolkata, WB																								
29	Tata Communications Limited	A	All India		1288	6684							426	1203					426	1203			1629	1629	7365	-77.88	0.01
30	Rajesh Multi Channel Pvt. Ltd.	B	Mumbai								3575	2891							3575	2891	14		6480	6480	6068	6.79	0.04
31	Tikona Digital Networks Pvt Ltd	A	All India											5172	17121				5172	17121			22293	22293	5600	298.09	0.15
32	Spacenet Internet Services Pvt Ltd	B	Delhi								2307	1845		560	374				2867	2219		14	5100	5100	4962	2.78	0.03
33	Trikon Electronics Pvt. Ltd.	B	Mumbai	2102			2660												0	2660			2660	4762	4709	1.13	0.03
34	Gujarat Telelink Pvt Ltd	B	Gujarat			1					2576	1949			19	11			2595	1961			4556	4556	4204	8.37	0.03
35	Meghbela Cable & Broadband Service (P) Ltd	B	Kolkata			3					2215	2305							2215	2308	40	20	4583	4583	4160	10.17	0.03
36	Hathway Bhawani Cabletel & Datacom Pvt. Ltd.	B	Mumbai						3293	153	478								153	3771			3924	3924	3863	1.58	0.03
37	DEN Networks Ltd	A	All India							2084	2067		4						2084	2071	14	43	4212	4212	3492	20.62	0.03
38	Nettlinx Ltd.	B	Andhra Pradesh		2	56			1641		6	2	111	1	26		5		5	1845		38	1888	1888	3171	-40.46	0.01
39	Swiftmail Communications Ltd.	A	All India		8	26	0	0			1732	1766	20	68	65	93			1825	1953		5	3783	3783	3147	20.21	0.02
40	HCL Comnet Systems & Services Ltd.	A	All India												3147				3147	0			3147	3147	3127	0.64	0.02
41	Intermedia Cable Communication Pvt Ltd*	C	Pune/Nasik							2466	723								2466	723			3189	3189	2548	25.16	0.02
42	Bhupati Hotels Ltd	C	Delhi			28	2565							5					0	2598		34	2632	2632	2274	15.74	0.02
43	Geocity Network Solutions Pvt. Ltd.	B	Delhi							0	2378								0	2378		7	2385	2385	2212	7.82	0.02
44	Descon Ltd	B&B	Kolkata & West Bengal Telecom Circle		1				4218						4								4223	4223	1877	124.99	0.03

Annexure 1.7 (contd.)

S. No.	Name of ISP	Category	Geographical Area of Operation	Dialup	Leased Lines		DSL		Cable Modem		Ethernet LAN		Fiber		Wireless		Others		Total		Cyber café		G. Total	Dec'09 Total	Sep'09 Total	% Growth	Market Share
					<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	Franch isee	Non franch					
45	Value Healthcare Ltd.	B	Mumbai					1902	17			9	7	7	1				1918	25		4	1947	1947	1793	8.59	0.01
46	Cable Combine Communication Pvt. Ltd.	C	Siliguri SSA		3					1680		95							0	1778		82	1860	1860	1762	5.56	0.01
47	Dishnet Wireless Ltd*	A	All India		48	1039								71	541				119	1580			1699	1699	1699	0.00	0.01
48	Star Broadband Services (I) Pvt Ltd	B	Delhi		7					344	1367								344	1374			1718	1718	1551	10.77	0.01
49	Narmada Cyberzone Pvt Ltd*	C	Gujarat							1861									1861	0			1861	1861	1475	26.17	0.01
50	CJM Consultancy Services Pvt. Ltd.	B	Delhi							1423									0	1423	7		1430	1430	1464	-2.32	0.01
51	Quest Consultancy Pvt. Ltd.	C	Valsad SSA							1220		336		263					0	1819		16	1835	1835	1326	38.39	0.01
52	Tulip Telecom Limited (Tulip IT Services Ltd.)*	A	All India									110	340	850					340	960			1300	1300	1300	0.00	0.01
53	Sanchar Telenetwork Pvt Ltd	C	Bhavnagar SSA				1350												0	1350		30	1380	1380	1255	9.96	0.01
54	ERNET India	A	All India	3	14	281					3	7		2	6	421	325		440	619			1059	1062	1055	0.66	0.01
55	Space Online Ltd	B	Gujarat		0	0						0	0						0	0			0	0	1023	-100.00	0.00
56	Kaizen Infonet Pvt Ltd*	C	Surat & Valsaad SSA			12				677	475								677	487		21	1185	1185	980	20.92	0.01
57	Digital2Virtual ISP Pvt. Ltd.	B	Gujarat		24					540	332		8	1	3				541	367	1	2	911	911	954	-4.51	0.01
58	Honesty Net Solutions (I) Pvt Ltd*	B	Mumbai							589	277								589	277	20		886	886	886	0.00	0.01
59	FX Wireless Technology Solutions Pvt Ltd	B	Mumbai											450	500				450	500		2	952	952	877	8.55	0.01
60	Amber Online Services Ltd.*	B	Andhra Pradesh		4					842			5						0	851	7		858	858	858	0.00	0.01
61	Blazenet Ltd.*	B	Gujarat		125			700											700	125		9	834	834	834	0.00	0.01
62	Wire & Wireless (I) Ltd.	A	All India		6			30	61	264	364								294	431		15	740	740	802	-7.73	0.00
63	ISP Solutions India Pvt. Ltd.*	C	Coimbatore SSA							676				13	33				689	33		11	733	733	788	-6.98	0.00
64	Rajesh Patel Net Services Pvt. Ltd.	C	Indore(MP)				3			794			17						794	20			814	814	766	6.27	0.01
65	North East Dataa Network Pvt Ltd	B	Karnataka							158	515	2	24						160	539	2	24	725	725	739	-1.89	0.00
66	Pioneer eLabs Ltd *	B	Andhra Pradesh	600	10	85						1	22		1				11	108			119	719	719	0.00	0.00
67	NetMagic Solutions(P) Ltd.	A	All India			23				10							706		0	739			739	739	691	6.95	0.00
68	RS Broadband Service India Pvt Ltd	B	Tamil Nadu SSA												566				0	566	10	31	607	607	660	-8.03	0.00
69	Yashash Cable Network Pvt Ltd	C	Mysore SSA			11				580		3	25						3	616	28		647	647	635	1.89	0.00
70	Speed Online.net Pvt. Ltd.	C	Rajkot			11				509	150	29	15						538	176	33		747	747	610	22.46	0.00

Annexure 1.7 (contd.)

S. No.	Name of ISP	Category	Geographical Area of Operation	Dialup	Leased Lines		DSL		Cable Modem		Ethernet LAN		Fiber		Wireless		Others		Total		Cyber café		G. Total	Dec'09 Total	Sep'09 Total	% Growth	Market Share
					<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	Franch isee	Non franch					
71	Bhiwani Communications Pvt. Ltd.	C	Rohtak								243	57			104	76			347	133		140	620	620	605	2.48	0.00
72	Software Technology Park of India(STPI)*	A	All India		7	148	1						20	139	33	171	9	22	70	480			550	550	550	0.00	0.00
73	S.S.Netcom Pvt Ltd*	B	North East Circle			3		7			372			8		108			0	498		22	520	520	520	0.00	0.00
74	Trak Online Net India Pvt.Ltd	A	All India		13	428					3	1	58	1	11		2		15	502			517	517	511	1.17	0.00
75	Limras Eronet Broadband Service Pvt Ltd	A	Tamil Nadu													5			0	5	12	41	58	58	438	-86.76	0.00
76	Sab Industires Ltd. (Sab Infotech)	B,C	Punjab, Kamal, Ambala, Hisar			5					277	45			4	30			281	80			361	361	375	-3.73	0.00
77	Astro Network India Pvt. Ltd.	A				2			380	206	1	2	1	2	1				383	212			595	595	340	75.00	0.00
78	Bohra Pratisthan Pvt. Ltd	C	Udaipur SSA								235	45							235	45		6	286	286	305	-6.23	0.00
79	delDSL Internet Pvt Ltd	B & C	Delhi & Gurgaon			10	13	236			2	5							15	251			266	266	275	-3.27	0.00
80	Netcom Online Solutions India Pvt Ltd*	B	Tamil Nadu								126				54	63			180	63		30	273	273	273	0.00	0.00
81	Micky Online Pvt Ltd	C	Moradabad	265															0	0			0	265	270	-1.85	0.00
82	Rida Communication Pvt. Ltd.	C	Aligarh SSA								17					235			0	252		8	260	260	255	1.96	0.00
83	World Phone Internet Services Pvt Ltd	A	All India											155		140			0	295			295	295	255	15.69	0.00
84	Multinet (Udaipur) Pvt. Ltd.	C	Udaipur SSA								224								224	0		28	252	252	253	-0.40	0.00
85	Pacific Internet India Pvt. Ltd.	A	All India		3	277													3	277			280	280	245	14.29	0.00
86	Gomti Cable Network Pvt. Ltd.	C	Lucknow SSA								171	40		12	6	21			177	73	4		254	254	230	10.43	0.00
87	City Online Services Ltd*	B	Andhra Pradesh & Karnataka		63	102										55			63	157			220	220	220	0.00	0.00
88	Khetan Cable Network (P) Ltd*	C	Indore SSA		4	4					197	4		1					201	9		1	211	211	211	0.00	0.00
89	Atria Convergence Technologies Pvt. Ltd.*	B	Karnataka						4	5	48	142							52	147		3	202	202	202	0.00	0.00
90	Vainavi Industries Ltd*	B	Andhra Pradesh						200										200	0			200	200	200	0.00	0.00
91	Rainbow Communications (India) Pvt Ltd*	C	Salem SSA										35		160	2			195	2			197	197	197	0.00	0.00
92	Kelnet Communication Services Pvt.Ltd	C	Trivandrum	56		4						1							0	5			5	61	188	-67.55	0.00
93	Primenet Global Ltd.	A	All India	2														31					31	33	175	-81.14	0.00

Annexure 1.7 (contd.)

S. No.	Name of ISP	Category	Geographical Area of Operation	Dialup	Leased Lines		DSL		Cable Modem		Ethernet LAN		Fiber		Wireless		Others		Total		Cyber café		G. Total	Dec'09 Total	Sep'09 Total	% Growth	Market Share
					<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb					
94	Adya Tech One Services Pvt Ltd*	C	Ghaziabad SSA												89	77			89	77	6		172	172	172	0.00	0.00
95	Sanyog Networks Pvt Ltd	C	Tripura SSA								94		2		48	1			144	1		22	167	167	161	3.73	0.00
96	Quick Online Pvt. Ltd.*	C	Ghaziabad SSA				37				0	18				43			0	98	1	0	99	99	160	-38.13	0.00
97	Dreamzcraft Info Solutions Pvt Ltd*	C	Dehradun SSA			2	2						118	14	1	1			121	17		20	158	158	158	0.00	0.00
98	Nihar Internet Services (P) Ltd	C	Ghaziabad-SSA								30	104							30	104			134	134	157	-14.65	0.00
99	Aeroway Networks Pvt Ltd	C	Mysore SSA												135				135	0		3	138	138	135	2.22	0.00
100	Readylink Internet Services Pvt Ltd	B	Coimbatore SSA & Erode SSA										1	8	114				8	115		12	135	135	132	2.27	0.00
101	Verizon Communications India Pvt. Ltd. (Worldcom Communications)	A	All India			96						32							0	128			128	128	131	-2.29	0.00
102	Mynet Services India Pvt. Ltd.*	C	Tamil Nadu SSA								13				107				120	0	10		130	130	130	0.00	0.00
103	Eastern Teleservices Pvt Ltd *	C	Jamshedpur SSA								114	15							114	15			129	129	129	0.00	0.00
104	Karuturi Telecom Private Limited(Estel Communications Pvt. Ltd.)	A	All India		1	11					1	18		64		11			2	104			106	106	115	-7.83	0.00
105	BT Global Communications India Pvt. Ltd.(I2 Enterprise Ltd.)*	A	All India		3	101													3	101			104	104	104	0.00	0.00
106	iCAN Solutions Private Limited*	B	Mumbai			12					32	51							32	63			95	95	95	0.00	0.00
107	Oasis Cable Pvt Ltd*	C	Haridwar SSA			1					10				60	15			70	16	7		93	93	93	0.00	0.00
108	Tarang Communications Pvt. Ltd.*	C	Guwahati SSA									82							0	82		1	83	83	83	0.00	0.00
109	Shri Vinayagaa Internet Pvt Ltd	C	Madurai SSA												85	12			85	12		5	102	102	82	24.39	0.00
110	Eronet Broadband Service India Pvt. Ltd.	C	Erode													69			0	69		11	80	80	80	0.00	0.00
111	ISP Services (India) Pvt. Ltd.	C	Trichy																0	0			0	0	72	-100.00	0.00
112	Guj Info Petro Ltd. (GIPL)	A	Gujarat			3							22	7	24		8		7	57		2	66	66	70	-5.71	0.00
113	Reach Network India Pvt. Ltd.	A	All India		10	50													10	50			60	60	67	-10.45	0.00
114	Essel Shyam Communications Limited	A	All India								4	3							54	6			67	67	65	3.08	0.00

Annexure 1.7 (contd.)

S. No.	Name of ISP	Category	Geographical Area of Operation	Dialup	Leased Lines		DSL		Cable Modem		Ethernet LAN		Fiber		Wireless		Others		Total		Cyber café		G. Total	Dec'09 Total	Sep'09 Total	% Growth	Market Share
					<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	Franch isee	Non franch					
115	Harisree Cable Net Pvt. Ltd.	C	Kanpur SSA								5				49				0	54		8	62	62	58	6.90	0.00
116	Konark Infocomm Pvt Ltd	C	Ghaziabad SSA		1												40		40	1	1		42	42	42	0.00	0.00
117	VIVA Communications Pvt Ltd(Mylai Karpagambal Information Systems (P) Ltd).	A	Chennai		37									3					0	40			40	40	40	0.00	0.00
118	STN Communication & Advertising Pvt Ltd.*	C	Guwahati							4	13								4	13			17	17	34	-50.00	0.00
119	Ishan Netsol Pvt Ltd	B	Gujarat		100						217	207	45	27	1	8			263	342	8	2	615	615	31	1883.87	0.00
120	Conjoinix Technologies Pvt Ltd	C	J&K Chandigarh		8						2		4		6				0	20			20	20	24	-16.67	0.00
121	CJ Online Pvt. Ltd.	C	Ghaziabad		18								4						0	22			22	22	21	4.76	0.00
122	Chemical And Metallurgical Design Co. Ltd	B	Delhi				7			9	2								9	9			18	18	18	0.00	0.00
123	Vishwashakti Technologies Pvt Ltd*	B	Hyderabad		1	14													1	14		1	16	16	16	0.00	0.00
124	Nelco Ltd.	A	All India														14		14	0			14	14	14	0.00	0.00
125	Nextgen Communications Ltd(RPG Infotech Ltd).	A	All India	3	4						1		1	1	2										13	-100.00	0.00
126	Centre for Development of Advanced Computing, C-DAC	C	Ghaziabad SSA								7								1	9			10	10	13	-23.08	0.00
127	Power Grid Corporation of India Ltd.	A	All India										12						0	12			12	12	13	-7.69	0.00
128	Virtela India Pvt. Ltd.	B&C	Mumbai, Bangalore, Gurgaon		11														0	11			11	11	13	-15.38	0.00
129	Godrej Infotech Ltd.*	B	Mumbai			4	1						1	3					5	4			9	9	9	0.00	0.00
130	Pulse Telesystems Pvt. Ltd.	B & C	Chennai & Pondicherry		10														0	10			10	10	8	25.00	0.00
131	IKF Technologies Ltd	A	All India																0	0	5		5	5	7	-28.57	0.00
132	Maple PC & Peripherals Pvt Ltd*	C	Jamshedpur SSA											7					7	0			7	7	6	16.67	0.00
133	AT & T Global Network Services India Private Limited*	A	All India		5						1		2						0	8			8	8	6	33.33	0.00
134	My Own Infotech Pvt. Ltd*	C	Surat SSA					2							3				5	0			5	5	5	0.00	0.00
135	Opto Network Pvt. Ltd.	A	All India		3						1								0	4			4	4	4	0.00	0.00

Annexure 1.7 (contd.)

S. No.	Name of ISP	Category	Geographical Area of Operation	Dialup	Leased Lines		DSL		Cable Modem		Ethernet LAN		Fiber		Wireless		Others		Total		Cyber café		G. Total	Dec'09 Total	Sep'09 Total	% Growth	Market Share
					<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	Franchise	Non franchise					
136	Fast Lynx Internet Service Pvt Ltd	C	Ludhiana														13		13	0	1		14	14	3	366.67	0.00
137	Pan India Network Infravest Pvt. Ltd.	B	Mumbai, Navi Mumbai		1						1	1							1	2			3	3	3	0.00	0.00
138	National Stock Exchange of India Ltd	A	ALL INDIA			1						2							0	3			3	3	3	0.00	0.00
139	ABT Ltd.	C	Coimbatore SSA									2				1			0	3			3	3	3	0.00	0.00
140	Manipal Ecommerce Ltd.	B	Karnataka		1	1													1	1			2	2	3	-33.33	0.00
141	Tata Internet Services Ltd.*	A	All India			2													0	2			2	2	2	0.00	0.00
142	Compucom (I) Pvt. Ltd.	C	Jaipur			2													0	2			2	2	2	0.00	0.00
143	Phonic Net Pvt Ltd*	B	Mumbai								2								2	0			2	2	2	0.00	0.00
144	Kerala State Electronics Development Corp Ltd.(Keltron)*	C	Thiruvananthapuram																0	0		1	1	1	1	0.00	0.00
145	Virgo Global Media Ltd (Online Media Solutions Ltd)*	B	Andhra Pradesh		1														1	0			1	1	1	0.00	0.00
146	GTL Ltd.	A	All India			0													0	0			0	0	1	-100.00	0.00
147	L&T Finance Ltd*(L&T Netcom Ltd.)	A	All India								1								0	1			1	1	1	0.00	0.00
148	Karuturi Global Ltd*	B	Karnataka			1													0	1			1	1	1	0.00	0.00
149	Advanced Financial Services Pvt Ltd	B	Hyderabad																0	0			0	0	1	-100.00	0.00
150	Infotel Broadband Services Pvt Ltd	A	All India			1													0	1			1	1	1	0.00	0.00
151	Broadlane Networks Pvt. Ltd.	C	Dombivli, Maharashtra																0	0			0	0	0		0.00
152	Global One India Pvt Ltd*	A	All India																0	0			0	0	0		0.00
153	Apna Telelink Ltd.	C	Jalandhar																0	0			0	0	0		0.00
154	iPath India Pvt. Ltd.	C	Ernakulam SSA																0	0			0	0	0		0.00
155	Reliance Wimax Limited(Gateway Systems (I) Ltd)	A	All India																0	0			0	0	0		0.00
156	Spectrum Softech Solutions Pvt. Ltd.	C	Ernakulam SSA																0	0			0	0	0		0.00
157	Tatanet Services Ltd	A	All India																0	0			0	0	0		0.00
158	Gujarat Narmada Valley Fertilizer	A	All India																0	0			0	0	0		0.00
159	Cordia LT Communications PVT Ltd	A	All India																0	0			0	0	0		0.00

Annexure 1.7 (contd.)

S. No.	Name of ISP	Category	Geographical Area of Operation	Dialup	Leased Lines		DSL		Cable Modem		Ethernet LAN		Fiber		Wireless		Others		Total		Cyber café		G. Total	Dec'09 Total	Sep'09 Total	% Growth	Market Share	
					<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	<256Kb	>256Kb	Franch isee	Non franch						
160	Swastik Netvision Telecom P.Ltd*	B	Gujarat																0	0			0	0	0			0.00
161	S&A Internet Services Private Limited	A	All India																0	0								0.00
162	Stel Pvt. Ltd.	A	All India	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0						0.00
TOTAL					5700161	5217	24346	404255	6768726	82124	589639	268956	332315	4907	31825	943199	74565	582	1074	1709238	7822483	7490	2083	9541294	15241452	14625432	4.21	

* ISP's have not submitted the report for the quarter December '09

Annexure 1.8: Service Area wise PMRTS subscriber Base

Sr. No.	Operative Area	Service Providers	Subscriber Base	
			30.09.09	31.12.09
1	Delhi	Container Movement	1	1
		German Express	322	321
		United Liner Agencies	313	351
		Procall	5308	5208
		Arvind Mills Ltd.	804	708
		Total	6748	6589
2	Mumbai	Arya Offshore Services	565	616
		German Express	409	405
		Arvind Mills Ltd.	1907	1945
		Smartalk	779	787
		Bhilwara Telenet	1452	1449
		Total	5112	5202
3	Kolkatta	United Liner	1405	1314
		Total	1405	1314
4	Chennai	Arya Offshore Services	493	468
		Arvind Mills	2531	2737
		Quick Calls	1294	1275
		Total	4318	4480
5	Bangalore	Arvind Mills	3515	3936
		Quick Calls	379	537
		India Satcom	50	0
		Total	3944	4473
6	Vishakhapatnam	Arya Transport	1922	1967
		Total	1922	1967
7	Indore	Jet Aiu Skyline	551	601
		Total	551	601
8	Jaipur	Procall	341	434
		Total	341	434
9	Gurgaon	Procall	1098	1303
		Total	1098	1303
10	Faridabad	Procall	189	197
		Arvind Mills	0	1
		Total	189	198
11	Vashi	Arvind Mills	232	232
		Smartalk	793	801
		Total	1025	1033
12	Ahmedabad	Arvind Mills	475	479
		Total	475	479

Annexure 1.8 (Contd.)

13	Baroda	Arvind Mills	664	711
		Total	664	711
14	Surat	Arvind Mills	1033	1018
		Total	1033	1018
15	Bharuch	Arvind Mills	146	154
		Total	146	154
16	Pune	Smartalk	988	1056
		Total	988	1056
17	Hyderabad	Quick Calls	1311	1372
		Total	1311	1372
		Grand Total	31270	32384

Annexure 2.1: GSM Full Mobility Service – Service Area wise Statistics

Category: Circle A

Service Area	% of prepaid in total subscribers	ARPU (Rs. per month)	Outgoing SMS per subscriber	O/G MOU /subs	I/C MOU /subs	Total MOU/ sub.
Karnataka	95%	162	75	207	208	415
AP	97%	156	38	192	207	399
MH	94%	151	21	193	185	378
Gujarat	93%	148	22	190	182	372
TN (incl. Chennai)	95%	136	98	188	205	393

Category: Circle B

Service Area	% of prepaid in total subscribers	ARPU (Rs. per month)	Outgoing SMS per subscriber	O/G MOU /subs	I/C MOU /subs	Total MOU/ sub.
Punjab	93%	167	52	259	242	501
Kerala	96%	152	35	183	218	401
UP(W)	98%	130	15	199	200	400
UP(E)	99%	129	10	201	238	439
MP	98%	127	18	180	176	356
Haryana	98%	124	13	208	188	397
Rajasthan	98%	123	11	186	181	367
WB	99%	108	6	186	212	398

Category: Circle C

Service Area	% of prepaid in total subscribers	ARPU (Rs. per month)	Outgoing SMS per subscriber	O/G MOU /subs	I/C MOU /subs	Total MOU/ sub.
NE	94%	175	25	233	225	458
Assam	94%	150	15	260	283	544
HP	98%	133	19	257	211	468
J&K	73%	126	7	198	189	386
Orissa	99%	122	13	227	281	508
Bihar	99.6%	114	6	186	244	430

Category: Metro

Service Area	% of prepaid in total subscribers	ARPU (Rs. per month)	Outgoing SMS per subscriber	O/G MOU /subs	I/C MOU /subs	Total MOU/ sub.
Delhi	85%	213	29	249	221	470
Mumbai	87%	189	26	220	184	404
Kolkata	94%	127	20	214	218	432

Annexure 2.2: CDMA Full Mobility Service – Service Area wise Statistics

Category: Circle A

Service Area	% Of prepaid in total subscribers	ARPU (Rs. per month)	Outgoing SMS per sub/ month	O/G MOU/su bs/ month	I/C MOU/su bs/ month	Total MOU/sub / month
MH	95%	70	15	137	152	289
Gujarat	91%	73	23	127	134	261
TN (incl Chennai)	94%	74	13	93	113	206
Karnataka	92%	89	9	125	150	275
AP	93%	99	14	164	182	345

Category: Circle B

Service Area	% of prepaid in total subscribers	ARPU (Rs. per month)	Outgoing SMS per sub/ month	O/G MOU/su bs/ month	I/C MOU/su bs/ month	Total MOU/sub / month
WB	98%	51	3	146	146	292
Rajasthan	96%	62	12	150	164	314
MP	97%	67	7	141	155	296
UP(W)	96%	70	10	151	172	323
UP(E)	97%	73	9	162	185	347
Punjab	90%	76	8	161	139	300
Haryana	92%	77	11	153	168	321
Kerala	93%	79	6	102	121	223

Category: Circle C

Service Area	% of prepaid in total subscribers	ARPU (Rs. per month)	Outgoing SMS per sub/ month	O/G MOU/su bs/ month	I/C MOU/su bs/ month	Total MOU/sub / month
Orissa	95%	79	4	148	176	324
Bihar	98%	80	5	198	248	445
HP	92%	108	4	153	160	314
J& K	65%	117	5	383	224	608
North East	83%	174	25	233	132	365
Assam	70%	204	5	223	130	353

Category: Metro

Service Area	% of prepaid in total subscribers	ARPU (Rs. per month)	Outgoing SMS per sub/ month	O/G MOU/su bs/ month	I/C MOU/su bs/ month	Total MOU/sub / month
Kolkata	95%	80	6	149	182	331
Delhi	90%	107	23	194	192	386
Mumbai	87%	129	40	153	175	328

Annexure 4.1: Performance of QoS Parameters for Cellular Mobile Services

S. No.	Name of Service Area	Name of Service Provider	Network Related Parameters								Customer Service Quality Parameters								
			Network Availability		Connection Establishment		Connection Maintenance (Retainability)		POI	Metering and Billing				Response time to the customer for		Termination / closure of service			
			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)	SDCCH/ 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	Accessibility of call centre/ customer care	Percentage of calls answered by the operators (voice to voice) within 60 seconds	%age requests for Termination / Closure of service complied within 7 days	Time taken for refund of deposits after closures
Benchmark																			
			≤ 2%	≤ 2%	≥ 95%	≤ 1%	≤ 2%	≤ 2%	≤ 5%	≥ 95%	≤ 0.5%	≤ 0.1%	≤ 0.1%	100% within 4 weeks	within 1 week of resolution of complaint	≥ 95%	≥ 90%	100% within 7 days	100% within 60 days
1	AP	Aircel	0.06%	0.07%	98.89%	0.06%	0.04%	0.44%	3.25%	98.06%	0.00	1.10%	0.34%	99.0%	within 1 week	100.0%	40.0%	69.1%	75.0%
2		Airtel	0.14%	0.77%	97.16%	0.74%	1.18%	1.29%	6.82%	97.56%	0.00	0.03%	0.00%	100.0%	within 1 week	96.6%	95.0%	100.0%	100.0%
3		BSNL	0.38%	1.07%	96.66%	0.27%	1.20%	1.61%	8.53%	98.00%	0.00	0.00%	0.00%	100.0%	within 1 week	99.6%	85.0%	100.0%	100.0%
4		Idea	0.03%	0.12%	99.87%	0.21%	0.35%	0.67%	4.26%	96.26%	0.00	0.05%	0.00%	100.0%	within 1 week	99.0%	84.0%	100.0%	100.0%
5		RCOM	0.13%	0.12%	99.47%	0.00%	0.11%	0.86%	0.94%	99.51%	0.00	0.04%	0.03%	100.0%	within 1 week	NR	73.0%	100.0%	100.0%
6		TTSL	0.03%	0.00%	98.95%	0.00%	0.05%	0.43%	0.56%	98.83%	2.00	0.02%	0.04%	89.1%	<= 1 Week	97.0%	90.0%	100.0%	96.4%
7		Vodafone	0.07%	0.29%	99.25%	0.18%	0.32%	0.68%	4.19%	98.42%	0.00	0.06%	0.02%	100.0%	within 1 week	99.0%	88.0%	100.0%	100.0%

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8	ASM	Airtel	0.84%	4.83%	97.13%	0.63%	1.41%	1.59%	7.37%	95.43%	0.00	0.04%	0.00%	95.7%	within 1 week	99.8%	88.0%	100.0%	100.0%
9		BSNL	1.57%	13.54%	96.30%	0.90%	1.94%	2.40%	13.33%	95.33%	0.00	0.01%	0.10%	100.0%	within 1 week	100.0%	90.0%	100.0%	100.0%
10		dishnet	1.22%	7.89%	94.68%	2.79%	2.70%	2.72%	35.08%	90.05%	0.33	0.05%	0.22%	100.0%	within 1 week	100.0%	88.0%	100.0%	100.0%
11		RTL	0.09%	0.47%	98.15%	0.60%	1.32%	0.85%	0.13%	96.92%	0.00	0.01%	0.05%	100.0%	within 1 week	NR	89.0%	100.0%	100.0%
12		TTSL	0.09%	0.00%	99.26%	0.00%	0.08%	0.53%	1.58%	99.58%	0.00	0.01%	0.01%	91.6%	<= 1 Week	98.0%	96.0%	89.0%	60.6%
13	Vodafone	0.36%	1.22%	97.79%	0.06%	0.82%	1.79%	3.09%	96.69%	0.00	0.43%	0.25%	100.0%	within 1 week	99.0%	90.0%	100.0%	100.0%	
14	BH	Airtel	0.97%	8.62%	96.36%	1.47%	1.24%	1.53%	6.33%	98.09%	1.67	0.02%	0.00%	100.0%	within 1 week	88.6%	85.0%	100.0%	100.0%
15		BSNL	0.00%	1.00%	98.43%	0.50%	1.27%	1.73%	3.93%	98.47%	0.00	0.07%	0.06%	100.0%	within 1 week	100.0%	92.7%	100.0%	100.0%
16		dishnet	1.00%	7.89%	94.93%	2.20%	3.53%	2.03%	20.51%	93.60%	4.00	0.00%	0.08%	100.0%	within 1 week	100.0%	96.0%	100.0%	100.0%
17		Idea	1.73%	0.75%	99.66%	0.59%	0.77%	1.16%	4.30%	95.77%	0.00	0.09%	0.01%	100.0%	within 1 week	64.0%	94.0%	80.0%	100.0%
18		RCOM	0.44%	0.45%	99.12%	0.00%	0.48%	0.92%	0.49%	97.64%	0.00	0.10%	0.05%	100.0%	within 1 week	NR	90.0%	100.0%	100.0%
19		RTL	0.10%	0.38%	98.50%	0.39%	0.81%	0.91%	0.87%	97.02%	0.00	0.00%	0.05%	100.0%	within 1 week	NR	99.0%	100.0%	100.0%
20		Sistema	1.76%	0.82%	99.36%	0.00%	0.27%	1.25%	6.77%	98.20%	0.67	NA	0.00%	100.0%	within 1 week	100.0%	96.0%	NA	NA
21	TTSL	0.15%	0.48%	98.80%	0.00%	0.15%	0.82%	0.00%	98.33%	0.00	0.04%	0.01%	92.4%	<= 1 Week	100.0%	98.0%	99.0%	47.2%	
22	Vodafone	0.19%	1.24%	96.73%	0.72%	1.39%	1.38%	4.86%	95.58%	0.00	0.02%	0.02%	100.0%	within 1 week	99.0%	95.0%	100.0%	100.0%	
23	CHN	Aircel	0.33%	4.27%	97.13%	0.75%	0.35%	1.98%	12.72%	97.27%	0.00	0.81%	0.05%	100.0%	within 1 week	100.0%	90.0%	98.7%	100.0%
24		Airtel	0.08%	0.51%	98.47%	0.16%	0.11%	1.10%	1.54%	98.66%	0.00	0.00%	0.00%	100.0%	within 1 week	Included in TN	Included in TN	100.0%	100.0%
25		BSNL	0.24%	0.80%	99.47%	0.10%	0.67%	0.70%	3.58%	100.00%	0.00	0.50%	0.40%	100.0%	within 1 week	99.0%	95.7%	100.0%	100.0%
26		RCOM	0.10%	0.00%	99.58%	0.00%	0.13%	0.65%	0.79%	98.99%	0.00	0.03%	0.01%	100.0%	within 1 week	NR	85.0%	100.0%	100.0%
27		TTSL	0.02%	0.00%	98.56%	0.00%	0.00%	0.36%	0.10%	99.20%	0.00	0.12%	0.03%	97.2%	<= 1 Week	98.0%	94.0%	99.0%	88.2%
28	Vodafone	0.07%	0.18%	99.69%	0.07%	0.04%	0.47%	1.41%	98.96%	0.00	0.09%	0.06%	100.0%	within 1 week	99.0%	95.0%	100.0%	100.0%	
29	DEL	Aircel	0.11%	0.18%	98.21%	0.03%	0.04%	0.82%	2.23%	97.99%	0.00	0.90%	0.19%	100.0%	within 1 week	100.0%	68.0%	86.3%	100.0%
30		Airtel	0.10%	0.16%	99.02%	0.12%	0.13%	0.81%	1.91%	97.03%	0.00	0.11%	0.00%	100.0%	within 1 week	97.9%	84.0%	100.0%	100.0%
31		Idea	0.03%	0.03%	99.83%	0.14%	0.42%	0.66%	2.16%	98.31%	0.00	0.00%	0.01%	100.0%	within 1 week	98.0%	57.0%	99.9%	100.0%
32		MTNL	1.92%	7.80%	96.76%	0.09%	0.68%	0.85%	3.39%	98.14%	4.00	0.05%	0.02%	100.0%	within 1 week	99.9%	94.2%	100.0%	100.0%
33		RCOM	0.11%	0.00%	99.05%	0.00%	0.29%	0.66%	1.23%	99.18%	0.00	0.05%	0.05%	100.0%	within 1 week	NR	75.0%	100.0%	100.0%
34		Sistema	0.38%	0.40%	98.17%	0.00%	0.00%	0.56%	1.32%	98.17%	0.00	NA	0.01%	100.0%	within 1 week	100.0%	96.0%	NA	NA
35		TTSL	0.01%	0.00%	98.76%	0.00%	0.01%	0.83%	0.73%	98.64%	0.00	0.10%	0.01%	96.5%	<= 1 Week	99.0%	83.0%	100.0%	96.7%
36	Vodafone	0.02%	Nil	99.58%	0.11%	0.11%	0.77%	2.84%	98.30%	0.00	0.04%	0.01%	100.0%	within 1 week	99.0%	92.0%	100.0%	100.0%	
37	GJ	Airtel	0.07%	0.22%	98.91%	0.27%	0.48%	1.27%	9.67%	98.98%	0.00	0.10%	0.00%	100.0%	within 1 week	98.2%	97.0%	100.0%	100.0%
38		BSNL	0.32%	1.05%	96.45%	0.44%	1.27%	1.67%	4.10%	95.00%	1.33	0.02%	0.02%	100.0%	within 1 week	98.0%	90.5%	100.0%	100.0%
39		Idea	0.03%	0.09%	99.37%	0.27%	0.16%	1.30%	7.42%	96.27%	0.00	0.04%	0.01%	100.0%	within 1 week	99.0%	99.0%	100.0%	100.0%
40		RCOM	0.06%	0.00%	99.55%	0.00%	0.10%	0.73%	0.34%	99.26%	0.00	0.03%	0.04%	100.0%	within 1 week	NR	79.0%	100.0%	100.0%
41		TTSL	0.01%	0.00%	98.96%	0.00%	0.01%	0.37%	1.06%	98.57%	0.00	0.04%	0.05%	97.9%	<= 1 Week	99.0%	96.0%	100.0%	98.3%
42	Vodafone	0.02%	0.08%	99.39%	0.17%	0.11%	0.78%	1.93%	97.95%	0.00	0.05%	0.01%	100.0%	within 1 week	99.0%	90.0%	100.0%	100.0%	

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43	HP	Airtel	0.07%	0.16%	98.42%	0.24%	0.34%	1.31%	4.78%	98.09%	0.00	0.01%	0.00%	100.0%	within 1 week	99.8%	95.0%	100.0%	100.0%	
44		BSNL	1.73%	1.87%	95.47%	0.80%	1.73%	2.17%	4.87%	97.03%	4.67	0.00%	0.00%	100.0%	within 1 week	100.0%	91.0%	100.0%	100.0%	
45		dishnet	0.03%	0.07%	98.84%	0.17%	0.49%	1.77%	21.16%	95.62%	3.67	0.06%	0.51%	100.0%	within 1 week	100.0%	84.0%	100.0%	100.0%	
46		Idea	0.00%	0.00%	99.48%	0.16%	0.59%	1.92%	14.65%	96.57%	0.00	0.00%	0.01%	100.0%	within 1 week	99.0%	66.0%	100.0%	100.0%	
47		RCOM	0.24%	0.07%	99.80%	0.00%	0.19%	0.89%	1.03%	98.62%	0.00	0.01%	0.02%	100.0%	within 1 week	NR	73.0%	100.0%	100.0%	
48		RTL	0.10%	0.00%	99.23%	0.12%	0.44%	0.81%	0.54%	96.65%	0.00	0.00%	0.07%	100.0%	within 1 week	NR	48.0%	100.0%	100.0%	
49		TTSL	0.00%	0.00%	98.84%	0.00%	0.10%	0.29%	0.54%	99.61%	0.00	0.01%	0.03%	99.5%	<= 1 Week	100.0%	98.0%	100.0%	95.6%	
50	Vodafone	0.00%	0.00%	98.98%	0.00%	0.04%	1.89%	2.60%	97.61%	0.00	0.00%	0.00%	NR	within 1 week	99.0%	98.0%	100.0%	100.0%		
51	HR	Airtel	0.11%	0.17%	97.61%	0.24%	0.44%	0.74%	3.91%	97.95%	0.00	0.07%	0.00%	100.0%	within 1 week	98.9%	97.0%	100.0%	98.7%	
52		BSNL	1.32%	1.86%	96.98%	0.69%	1.36%	1.85%	4.40%	95.77%	0.00	0.08%	0.02%	100.0%	within 1 week	100.0%	90.0%	100.0%	100.0%	
53		Idea	0.09%	0.32%	99.84%	0.17%	0.55%	1.20%	5.56%	96.79%	0.00	0.04%	0.00%	100.0%	within 1 week	99.0%	91.0%	100.0%	100.0%	
54		RCOM	0.21%	0.08%	99.46%	0.00%	0.28%	0.89%	0.16%	97.95%	0.00	0.03%	0.06%	100.0%	within 1 week	NR	64.0%	100.0%	100.0%	
55		TTSL	0.08%	0.00%	98.49%	0.00%	0.03%	0.90%	0.95%	98.51%	0.00	0.02%	0.02%	98.9%	<= 1 Week	97.0%	83.0%	99.0%	99.5%	
56	Vodafone	0.17%	0.21%	99.42%	0.15%	0.11%	0.94%	2.94%	97.31%	0.00	0.03%	0.01%	100.0%	within 1 week	99.0%	99.0%	100.0%	100.0%		
57	J&K	Airtel	0.21%	1.01%	98.20%	0.22%	0.32%	1.13%	4.12%	98.87%	0.00	0.01%	0.00%	100.0%	within 1 week	99.6%	67.0%	100.0%	100.0%	
58		BSNL	1.73%	1.95%	97.33%	0.90%	1.90%	2.00%	4.87%	98.73%	0.00	0.04%	0.02%	100.0%	within 1 week	98.0%	89.0%	100.0%	100.0%	
59		dishnet	0.38%	2.11%	96.60%	0.90%	1.56%	2.24%	25.15%	93.45%	3.00	0.17%	0.70%	100.0%	within 1 week	100.0%	60.0%	100.0%	100.0%	
60		RCOM*	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
61		TTSL	0.03%	0.00%	99.28%	0.00%	0.07%	0.85%	0.79%	99.04%	0.00	0.05%	0.04%	98.5%	<= 1 Week	84.0%	74.0%	100.0%	100.0%	
62	Vodafone	0.00%	0.00%	99.18%	0.19%	0.12%	1.30%	4.45%	98.07%	0.00	0.01%	0.04%	100.0%	within 1 week	99.0%	90.0%	100.0%	100.0%		
63	KOL	Airtel	0.07%	0.28%	99.40%	0.08%	0.05%	0.84%	1.20%	98.13%	0.00	0.04%	0.00%	100.0%	within 1 week	Included in WB	Included in WB	100.0%	100.0%	
64		BSNL	1.37%	10.31%	98.37%	0.57%	0.54%	1.31%	10.36%	99.29%	2.00	0.00%	0.20%	100.0%	within 1 week	93.0%	93.2%	100.0%	100.0%	
65		dishnet	0.45%	2.39%	97.50%	0.19%	1.35%	1.06%	8.87%	98.01%	3.33	2.96%	0.33%	100.0%	within 1 week	100.0%	72.0%	100.0%	100.0%	
66		RCOM	0.06%	0.00%	99.50%	0.00%	0.21%	0.85%	2.09%	98.13%	0.00	0.05%	0.05%	100.0%	within 1 week	NR	79.0%	100.0%	100.0%	
67		RTL	0.03%	0.00%	98.98%	0.05%	0.08%	0.80%	0.07%	97.13%	0.00	0.01%	0.05%	100.0%	within 1 week	NR	66.0%	100.0%	100.0%	
68		Sistema	0.00%	0.00%	99.10%	0.00%	0.23%	0.77%	2.17%	98.33%	0.05	NA	0.00%	100.0%	within 1 week	100.0%	96.4%	NA	NA	
69		TTSL	0.03%	0.00%	99.01%	0.00%	0.17%	0.82%	0.82%	98.58%	0.00	0.05%	0.04%	96.5%	<= 1 Week	99.0%	95.0%	92.0%	85.6%	
70	Vodafone	0.09%	0.42%	98.85%	0.15%	0.49%	0.67%	1.36%	98.69%	0.00	0.02%	0.00%	100.0%	within 1 week	99.0%	92.0%	82.0%	100.0%		
71	KR	Aircel	0.04%	0.02%	98.71%	0.01%	0.08%	0.65%	6.21%	97.92%	0.00	3.63%	0.27%	100.0%	within 1 week	100.0%	69.0%	100.0%	100.0%	
72		Airtel	0.06%	0.07%	98.83%	0.21%	0.21%	1.02%	6.17%	98.42%	0.67	0.00%	0.00%	100.0%	within 1 week	98.2%	87.0%	100.0%	100.0%	
73		BSNL	0.53%	1.30%	97.67%	0.13%	0.93%	0.90%	3.43%	98.30%	2.33	0.00%	0.10%	100.0%	within 1 week	97.0%	91.5%	100.0%	100.0%	
74		Idea	0.10%	0.05%	99.78%	0.22%	0.34%	1.04%	3.87%	96.20%	0.00	0.07%	0.01%	100.0%	within 1 week	98.0%	100.0%	100.0%	100.0%	
75		RCOM	0.03%	0.00%	99.65%	0.00%	0.10%	0.78%	0.39%	99.34%	0.00	0.02%	0.05%	100.0%	within 1 week	NR	84.0%	100.0%	100.0%	
76		Sistema	0.09%	0.00%	99.15%	0.00%	0.00%	0.31%	1.63%	99.16%	0.00	NA	0.00%	100.0%	within 1 week	100.0%	90.3%	NA	NA	
77		TTSL	0.02%	0.37%	98.90%	0.00%	0.00%	0.67%	0.76%	98.54%	0.33	0.04%	0.03%	99.5%	<= 1 Week	99.0%	97.0%	100.0%	76.5%	
78		Vodafone	0.01%	0.00%	99.41%	0.06%	0.35%	0.61%	0.65%	97.47%	0.00	0.06%	0.10%	100.0%	within 1 week	99.0%	94.0%	100.0%	100.0%	

Annexure 4.1 (Contd.)

79	KTK	Aircel	0.21%	1.07%	98.62%	0.06%	0.24%	0.54%	4.26%	98.31%	1.00	0.10%	0.11%	100.0%	within 1 week	100.0%	85.0%	100.0%	100.0%
80		Airtel	0.47%	1.74%	98.11%	0.53%	0.63%	1.09%	7.43%	98.16%	0.00	0.03%	0.00%	100.0%	within 1 week	98.7%	87.0%	100.0%	100.0%
81		BSNL	1.30%	2.00%	98.33%	0.27%	1.57%	1.33%	2.07%	97.50%	0.00	0.10%	0.10%	100.0%	within 1 week	97.0%	94.7%	100.0%	100.0%
82		RCOM	0.14%	0.12%	99.44%	0.00%	0.10%	0.65%	0.45%	99.33%	0.00	0.02%	0.02%	100.0%	within 1 week	NR	76.0%	100.0%	100.0%
83		Sistema	0.38%	0.00%	99.20%	0.00%	0.01%	0.38%	0.74%	99.53%	0.00	NA	0.01%	100.0%	within 1 week	96.0%	96.9%	NA	NA
84		Spice	0.09%	0.43%	99.30%	0.08%	0.44%	1.33%	4.70%	97.17%	0.00	0.04%	0.01%	100.0%	within 1 week	99.8%	92.0%	100.0%	100.0%
85		TTSL	0.06%	0.00%	98.69%	0.00%	0.15%	0.60%	0.43%	98.65%	0.00	0.09%	0.03%	97.5%	<= 1 Week	98.3%	93.3%	98.9%	78.4%
86	Vodafone	0.27%	0.74%	99.33%	0.12%	0.24%	0.60%	4.53%	98.82%	0.00	0.07%	0.09%	100.0%	within 1 week	99.0%	92.0%	100.0%	100.0%	
87	MBI	Aircel	0.08%	0.06%	97.99%	0.02%	0.08%	0.87%	2.03%	98.07%	1.00	1.63%	0.39%	100.0%	within 1 week	100.0%	31.0%	100.0%	100.0%
88		Airtel	0.34%	1.30%	99.18%	0.11%	0.25%	0.90%	3.42%	97.95%	0.00	0.09%	0.00%	98.8%	within 1 week	97.2%	90.0%	100.0%	100.0%
89		Idea	0.02%	0.04%	98.65%	0.22%	0.39%	1.39%	9.52%	98.49%	0.00	0.07%	0.02%	100.0%	within 1 week	99.0%	77.0%	98.0%	100.0%
90		Loop	0.06%	0.40%	99.99%	0.40%	0.19%	1.39%	1.16%	97.47%	0.00	0.05%	0.07%	100.0%	within 1 week	95.4%	90.8%	100.0%	100.0%
91		MTNL	1.16%	1.89%	98.00%	0.71%	0.80%	1.46%	3.94%	96.79%	0.00	0.10%	NIL	100.0%	NR	95.0%	91.1%	100.0%	100.0%
92		RCOM	0.10%	0.09%	99.23%	0.00%	0.21%	0.62%	0.14%	98.97%	0.00	0.05%	0.06%	100.0%	within 1 week	NR	83.0%	100.0%	100.0%
93		TTSL	0.04%	0.00%	99.22%	0.00%	0.09%	0.67%	0.00%	97.25%	0.00	0.06%	0.05%	99.4%	<= 1 Week	100.0%	96.0%	100.0%	100.0%
94	Vodafone	0.02%	0.00%	99.21%	0.10%	0.26%	0.72%	1.85%	98.76%	0.00	0.00%	0.03%	100.0%	within 1 week	99.0%	94.0%	100.0%	95.0%	
95	MH	Aircel	0.24%	0.62%	97.74%	0.10%	0.26%	0.52%	6.05%	97.87%	0.00	2.78%	0.36%	100.0%	within 1 week	100.0%	52.0%	100.0%	100.0%
96		Airtel	0.47%	0.15%	98.48%	0.54%	0.78%	1.30%	9.74%	98.64%	0.00	0.13%	0.00%	97.6%	within 1 week	99.5%	95.0%	100.0%	100.0%
97		BSNL	1.87%	1.93%	98.67%	1.00%	1.97%	1.83%	15.10%	97.07%	0.00	0.00%	0.00%	100.0%	within 1 week	96.0%	90.1%	100.0%	100.0%
98		Idea	0.39%	1.54%	97.22%	0.94%	1.96%	1.59%	8.36%	97.31%	1.33	0.59%	0.18%	100.0%	within 1 week	94.0%	98.0%	98.0%	100.0%
99		RCOM	0.17%	0.10%	99.07%	0.00%	0.16%	0.91%	0.67%	98.14%	0.00	0.04%	0.06%	100.0%	within 1 week	NR	83.0%	100.0%	100.0%
100		TTSL	0.02%	0.00%	98.76%	0.00%	0.80%	0.63%	1.46%	96.60%	0.00	0.01%	0.04%	100.0%	within 1 week	100.0%	97.0%	100.0%	100.0%
101		Vodafone	0.12%	1.49%	98.14%	0.50%	1.12%	0.83%	3.85%	97.68%	0.00	0.07%	0.07%	100.0%	within 1 week	99.0%	100.0%	100.0%	100.0%
102	MP	Airtel	0.24%	1.25%	98.76%	0.21%	0.35%	1.35%	4.50%	96.46%	0.00	0.00%	0.00%	100.0%	within 1 week	97.9%	95.0%	100.0%	100.0%
103		BSNL	1.02%	1.63%	97.00%	0.37%	1.47%	1.52%	4.74%	98.31%	0.33	0.01%	0.03%	100.0%	within 1 week	100.0%	90.0%	100.0%	100.0%
104		Idea	0.36%	1.93%	98.15%	0.50%	0.95%	1.39%	6.20%	95.42%	0.00	0.03%	0.02%	100.0%	within 1 week	98.0%	90.0%	100.0%	100.0%
105		RCOM	0.32%	0.65%	99.71%	0.00%	0.14%	1.01%	0.11%	98.79%	0.00	0.09%	0.04%	100.0%	within 1 week	NR	81.0%	100.0%	100.0%
106		RTL	0.04%	0.02%	98.39%	0.29%	0.74%	0.95%	0.47%	96.86%	0.00	0.00%	0.06%	100.0%	within 1 week	NR	74.0%	100.0%	100.0%
107		TTSL	0.02%	0.00%	99.26%	0.00%	0.00%	0.76%	0.53%	99.08%	0.00	0.07%	0.04%	99.3%	<= 1 Week	100.0%	98.0%	99.0%	99.2%
108		Vodafone	0.27%	1.05%	96.72%	0.33%	1.93%	2.16%	5.58%	97.54%	0.00	0.02%	0.09%	100.0%	within 1 week	99.0%	98.0%	100.0%	100.0%
109	NE	Airtel	4.42%	27.93%	92.26%	3.39%	3.56%	2.29%	11.75%	92.40%	0.33	0.02%	0.00%	100.0%	within 1 week	100.0%	91.0%	100.0%	100.0%
110		BSNL	1.56%	1.98%	96.16%	0.99%	1.95%	2.07%	4.98%	97.37%	0.16	0.05%	0.05%	100.0%	within 1 week	99.0%	92.3%	100.0%	100.0%
111		RTL	0.12%	1.02%	98.20%	0.42%	0.92%	0.82%	0.51%	96.73%	0.00	0.00%	0.06%	100.0%	within 1 week	NR	91.0%	100.0%	100.0%
112		TTSL	0.74%	0.92%	98.81%	0.00%	0.14%	0.47%	1.49%	98.77%	0.00	0.01%	0.01%	93.5%	<= 1 Week	99.0%	96.0%	100.0%	66.0%
113		dishnet	2.98%	21.87%	89.93%	10.21%	6.95%	4.36%	44.77%	92.50%	1.00	0.08%	0.05%	100.0%	within 1 week	100.0%	76.0%	100.0%	100.0%
114		Vodafone	1.14%	1.93%	97.94%	0.23%	1.11%	1.81%	3.46%	97.20%	0.00	1.01%	0.15%	100.0%	within 1 week	99.0%	94.0%	100.0%	100.0%

Annexure 4.1 (Contd.)

115	OR	Airtel	0.12%	0.55%	98.23%	0.31%	0.44%	1.55%	9.95%	96.86%	0.00	0.12%	0.01%	100.0%	within 1 week	99.0%	90.0%	100.0%	100.0%
116		BSNL	0.75%	1.33%	97.78%	0.87%	1.38%	1.75%	4.90%	98.00%	0.00	0.06%	0.03%	100.0%	within 1 week	100.0%	90.0%	100.0%	100.0%
117		dishnet	0.13%	0.53%	98.32%	0.28%	0.63%	1.72%	19.18%	95.04%	4.33	0.00%	0.28%	100.0%	within 1 week	100.0%	62.0%	100.0%	100.0%
118		Idea	0.11%	0.26%	99.07%	0.03%	0.33%	1.07%	4.13%	97.56%	0.00	0.11%	0.16%	100.0%	within 1 week	99.0%	98.0%	100.0%	100.0%
119		RCOM	0.18%	0.16%	99.79%	0.00%	0.28%	0.95%	0.26%	98.76%	0.00	0.01%	0.06%	100.0%	within 1 week	NR	81.0%	100.0%	100.0%
120		RTL	0.09%	0.38%	99.06%	0.17%	0.67%	0.97%	0.54%	96.57%	NIL	0.00%	0.05%	100.0%	within 1 week	NR	53.0%	100.0%	100.0%
121	PB	TTSL	0.19%	0.00%	98.40%	0.00%	0.11%	0.73%	0.80%	98.65%	0.00	0.02%	0.03%	98.3%	<= 1 Week	99.0%	97.0%	96.0%	86.8%
122		Vodafone	0.14%	0.39%	98.92%	0.08%	0.36%	1.36%	0.74%	96.93%	0.00	0.03%	0.01%	100.0%	within 1 week	99.0%	98.0%	100.0%	100.0%
123		Airtel	0.13%	0.36%	98.40%	0.27%	0.35%	1.12%	3.33%	98.21%	0.00	0.03%	0.00%	100.0%	within 1 week	99.6%	95.0%	100.0%	100.0%
124		BSNL	0.83%	4.87%	97.33%	0.87%	1.97%	1.33%	21.40%	98.00%	0.00	0.00%	0.08%	100.0%	within 1 week	88.0%	92.0%	100.0%	100.0%
125		HFCL	1.47%	0.00%	99.19%	0.00%	0.00%	0.98%	0.00%	97.44%	0.00	0.02%	0.07%	100.0%	within 1 week	94.0%	97.0%	100.0%	100.0%
126		RCOM	0.07%	0.00%	98.78%	0.00%	0.14%	0.67%	0.23%	99.37%	0.00	0.04%	0.03%	100.0%	within 1 week	NR	73.0%	100.0%	100.0%
127	RAJ	Spice	0.03%	0.22%	98.97%	0.13%	0.73%	1.01%	6.48%	98.14%	0.00	0.01%	0.02%	100.0%	within 1 week	100.0%	99.0%	100.0%	100.0%
128		TTSL	0.02%	0.00%	98.57%	0.00%	0.02%	0.77%	1.04%	98.93%	0.00	0.04%	0.02%	99.0%	<= 1 Week	98.0%	84.0%	100.0%	95.9%
129		Vodafone	0.03%	0.06%	98.98%	0.04%	0.00%	0.93%	3.17%	98.38%	0.00	0.01%	0.00%	100.0%	within 1 week	NR	99.0%	100.0%	100.0%
130		Airtel	0.26%	0.86%	97.53%	0.57%	0.65%	1.37%	7.76%	96.32%	0.00	0.05%	0.00%	100.0%	within 1 week	98.7%	94.0%	100.0%	100.0%
131		BSNL	1.87%	7.40%	98.67%	0.23%	1.03%	1.87%	10.13%	97.93%	0.00	0.14%	0.23%	100.0%	within 1 week	95.0%	90.2%	100.0%	100.0%
132		Idea	0.09%	0.02%	99.45%	0.27%	0.37%	1.26%	9.33%	97.61%	0.00	0.03%	0.01%	100.0%	within 1 week	89.0%	84.0%	100.0%	100.0%
133	TN	RCOM	0.19%	0.26%	99.37%	0.00%	0.16%	0.87%	0.15%	97.47%	0.00	0.03%	0.05%	100.0%	within 1 week	NR	80.0%	100.0%	100.0%
134		Sistema	0.10%	0.00%	98.91%	0.00%	0.03%	0.49%	3.08%	99.51%	0.00	0.00%	0.00%	100.0%	within 1 week	90.0%	90.0%	100.0%	100.0%
135		TTSL	0.03%	0.00%	98.67%	0.00%	0.03%	0.68%	0.45%	98.81%	0.00	0.03%	0.01%	98.5%	<= 1 Week	100.0%	98.0%	100.0%	99.8%
136		Vodafone	0.12%	0.43%	99.52%	0.16%	0.12%	1.03%	4.62%	96.86%	0.00	0.10%	0.03%	100.0%	within 1 week	99.0%	98.0%	100.0%	100.0%
137		Aircel	0.23%	0.39%	96.65%	0.49%	1.27%	1.10%	5.43%	96.78%	1.00	0.06%	0.28%	100.0%	within 1 week	100.0%	47.0%	100.0%	100.0%
138		Airtel	0.23%	0.83%	97.62%	0.48%	0.43%	1.18%	7.87%	96.49%	0.00	0.00%	0.00%	97.2%	within 1 week	99.0%	92.0%	100.0%	100.0%
139	UP-E	BSNL	0.43%	1.87%	97.33%	0.30%	1.20%	1.03%	5.33%	99.00%	0.00	0.03%	0.09%	100.0%	within 1 week	100.0%	91.0%	100.0%	100.0%
140		Idea	0.04%	0.00%	98.62%	0.09%	0.18%	1.00%	9.97%	98.31%	0.00	0.03%	0.04%	100.0%	within 1 week	95.0%	90.0%	96.0%	100.0%
141		RCOM	0.05%	0.06%	99.59%	0.00%	0.14%	0.74%	0.67%	98.98%	0.00	0.04%	0.01%	100.0%	within 1 week	NR	84.0%	100.0%	100.0%
142		Sistema	0.36%	0.00%	98.73%	0.00%	0.56%	0.47%	3.76%	99.37%	0.00	NA	0.00%	100.0%	within 1 week	100.0%	95.0%	NA	NA
143		TTSL	0.05%	0.00%	98.62%	0.00%	0.34%	0.82%	0.77%	99.80%	0.00	0.05%	0.06%	99.9%	<= 1 Week	98.0%	94.0%	99.0%	79.4%
144		Vodafone	0.06%	0.13%	98.96%	0.26%	0.43%	0.99%	4.45%	96.97%	0.00	0.07%	0.07%	100.0%	within 1 week	99.0%	97.0%	100.0%	100.0%
145	UP-E	Airtel	0.38%	1.61%	96.94%	0.55%	0.91%	1.78%	15.94%	96.50%	0.33	0.24%	0.01%	100.0%	within 1 week	85.0%	91.0%	100.0%	100.0%
146		BSNL	0.54%	2.62%	97.00%	0.63%	1.33%	1.43%	3.83%	96.67%	0.33	0.00%	0.08%	100.0%	within 1 week	100.0%	91.0%	100.0%	100.0%
147		dishnet	0.17%	0.52%	98.20%	0.05%	0.09%	0.33%	4.38%	96.91%	0.67	NA	1.14%	100.0%	within 1 week	100.0%	53.0%	NA	100.0%
148		Idea	0.27%	0.16%	99.81%	0.44%	1.47%	1.00%	7.16%	96.44%	0.00	0.03%	0.04%	100.0%	within 1 week	99.0%	96.0%	100.0%	100.0%
149		RCOM	0.29%	0.75%	98.60%	0.00%	0.35%	1.01%	1.20%	97.81%	0.00	0.04%	0.02%	100.0%	within 1 week	NR	86.0%	100.0%	100.0%
150		TTSL	0.12%	0.12%	98.17%	0.00%	0.05%	0.77%	0.78%	98.59%	0.00	0.04%	0.02%	99.5%	<= 1 Week	98.0%	82.0%	100.0%	98.4%
151	Vodafone	0.44%	1.08%	97.49%	0.72%	1.11%	1.82%	4.17%	95.49%	0.00	0.11%	0.02%	100.0%	within 1 week	99.0%	98.0%	100.0%	100.0%	

Annexure 4.1 (Contd.)

152	UP-W	Airtel	0.23%	0.43%	96.78%	0.71%	1.56%	1.15%	4.39%	96.77%	0.00	0.20%	0.00%	100.0%	within 1 week	98.5%	87.0%	100.0%	100.0%
153		BSNL	0.37%	1.87%	98.45%	0.88%	1.58%	1.04%	4.64%	97.67%	1.00	0.01%	0.48%	100.0%	within 1 week	100.0%	93.0%	100.0%	100.0%
154		dishnet	0.18%	0.20%	98.23%	0.31%	0.14%	0.77%	4.31%	96.72%	0.00	NA	0.54%	100.0%	within 1 week	100.0%	80.0%	NA	100.0%
155		Idea	0.18%	0.72%	99.76%	0.60%	1.38%	1.02%	6.18%	99.49%	0.00	0.05%	0.00%	100.0%	within 1 week	85.0%	95.0%	100.0%	100.0%
156		RCOM	0.42%	0.86%	98.58%	0.00%	0.37%	0.98%	0.66%	98.23%	0.00	0.03%	0.06%	100.0%	within 1 week	NR	83.0%	100.0%	100.0%
157		TTSL	0.07%	0.03%	98.60%	0.00%	0.09%	0.87%	0.54%	99.60%	0.00	0.02%	0.02%	99.0%	<= 1 Week	99.0%	88.0%	99.0%	99.0%
158	Vodafone	0.39%	1.46%	97.47%	0.68%	1.42%	1.36%	3.53%	95.85%	0.00	0.01%	0.00%	100.0%	within 1 week	99.0%	89.0%	100.0%	100.0%	
159	WB	Airtel	0.15%	0.56%	98.26%	0.57%	0.92%	1.62%	9.20%	97.37%	0.00	0.01%	0.00%	100.0%	within 1 week	98.0%	86.0%	100.0%	100.0%
160		BSNL	0.83%	1.83%	98.00%	0.90%	1.13%	1.03%	4.60%	96.23%	0.00	0.02%	0.08%	100.0%	within 1 week	100.0%	94.5%	100.0%	100.0%
161		dishnet	0.59%	3.94%	94.41%	1.03%	4.54%	2.24%	25.29%	93.91%	4.67	0.15%	0.17%	100.0%	within 1 week	100.0%	26.0%	100.0%	100.0%
162		RCOM	0.24%	0.66%	99.29%	0.00%	0.24%	1.07%	0.32%	97.76%	0.00	0.04%	0.04%	100.0%	within 1 week	NR	79.0%	100.0%	100.0%
163		RTL	0.06%	0.24%	99.16%	0.14%	0.53%	0.91%	0.30%	98.09%	0.00	0.00%	0.05%	100.0%	within 1 week	NR	14.0%	100.0%	100.0%
164		Sistema	0.64%	1.52%	99.18%	0.00%	0.10%	0.90%	4.72%	97.83%	0.00	NA	0.00%	100.0%	within 1 week	100.0%	90.6%	NA	NA
165	TTSL	0.10%	0.26%	98.32%	0.00%	0.06%	0.84%	0.98%	98.64%	0.00	0.04%	0.02%	98.6%	<= 1 Week	99.0%	97.0%	100.0%	72.5%	
166	Vodafone	0.24%	1.25%	96.72%	0.86%	1.49%	1.55%	3.07%	96.28%	0.00	0.05%	0.00%	100.0%	within 1 week	99.0%	96.0%	98.3%	100.0%	

■ Benchmark not met

NR - Data Not Reported

NA - Not Applicable

NOTE : * M/s RCOM has not reported the data for CDMA service in J&K service area

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

Sl. No.	Name of Service Area	Name of Service Provider	Faults incidences (No. of faults/100 Subs./month)	Fault Repair			Rent Rebate	Mean Time to Repair (MTTR)	Call Completion Rate (CCR)	Answer to Seizure Ratio	POI Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark (Averaged over a period of quarter)	Metering and Billing				Response time to the customer for Assistance		Termination / closure of service		
				% of faults repaired by next working day	% of faults repaired within 3 days	% of faults repaired within 5 days						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	%age requests for Termination / Closure of service complied within 7 days	Time taken for refund of deposits after closures	
																				≤ 5
1	A&N	BSNL	3.74	87.10%	100.00%	100.00%	0	7.52	59.44%	NA	NR	0.000%	NA	NR	NR	NR	99.76%	98.57%	100.00%	100.00%
2		Bharti Airtel	3.14	98.34%	99.60%	NA	61	4.89	88.61%	NA	0.00	0.236%	NA	97.10%	100.00%	99.76%	98.57%	100.00%	100.00%	
3	AP	BSNL	3.94	92.22%	97.56%	97.67%	0	12.74	66.89%	NA	NR	0.025%	NA	NR	NR	95.13%	90.18%	87.20%	100.00%	
4		RCOM	1.28	100.00%	100.00%	NA	0	NR	NA	88.15%	0.00	0.020%	NA	100.00%	100.00%	96.00%	92.00%	100.00%	100.00%	
5		TTSL	0.60	86.06%	96.02%	98.38%	228	11.1	98.33%	NA	0.00	0.046%	NA	83.82%	100.00%	94.94%	89.46%	98.89%	NR	
6	ASM	BSNL	5.61	94.07%	99.23%	98.08%	0	8.12	82.51%	NA	NR	0.034%	NA	NR	NR	87.90%	95.00%	99.66%	100.00%	
7		TTSL	NR	NR	NR	NR	NR	0.0	NA	NA	NA	0.000%	NA	NR	NR	95.94%	97.60%	NR	NR	
8	Bihar	BSNL	4.23	81.35%	90.11%	77.49%	596	11.37	57.63%	NA	NR	0.013%	NA	NR	NR	85.23%	100.00%	98.25%	100.00%	
9		RCOM	0.00	NA	NA	NA	0	NR	NA	92.92%	0.00	0.000%	NA	NA	NA	96.00%	92.00%	NIL	100.00%	
10		TTSL	1.30	90.55%	93.70%	96.06%	9	9.0	98.61%	NA	0.00	0.020%	NA	50.00%	100.00%	95.45%	83.51%	100.00%	NR	
11	Chennai	BSNL	3.15	97.67%	99.99%	100.00%	3203	7.23	82.45%	NA	NR	0.006%	NA	NR	NR	92.92%	93.76%	100.00%	100.00%	
12		RCOM	0.74	100.00%	100.00%	NA	0	NR	NA	85.88%	0.00	0.040%	NA	100.00%	100.00%	96.00%	92.00%	100.00%	100.00%	
13		TTSL	0.10	76.98%	89.68%	93.65%	25	17.9	98.68%	NA	0.00	0.016%	NA	88.24%	NR	95.00%	91.13%	98.81%	NR	
14	Chattisgarh	BSNL	6.28	94.02%	98.30%	69.75%	0	9.05	66.71%	NA	1.00	0.011%	NA	NR	NR	96.33%	100.00%	100.00%	100.00%	
15	Delhi	Bharti Airtel	3.39	96.48%	99.21%	NA	2263	7.15	96.66%	NA	1.67	0.005%	NA	100.00%	100.00%	96.86%	95.67%	100.00%	100.00%	
16		MTNL	6.78	80.68%	90.28%	NIL	45049	11.40	53.04%	NA	0.00	0.141%	NA	93.00%	*	100.00%	99.58%	99.38%	100.00%	
17		RCOM	0.71	100.00%	100.00%	NA	6	NR	NA	90.24%	0.00	0.040%	NA	100.00%	100.00%	96.00%	92.00%	100.00%	100.00%	
18		TTSL	0.70	96.65%	98.33%	99.28%	34	6.2	98.77%	NA	0.00	0.042%	NA	92.31%	100.00%	98.11%	93.98%	97.97%	NR	

Annexure 4.2 (Contd.)

19	GJ	Bharti Airtel	2.50	98.65%	99.55%	NA	8	5.80	65.26%	NA	0.00	0.011%	NA	100.00%	100.00%	0.00%	0.00%	100.00%	100.00%
20		BSNL	5.10	95.74%	99.21%	99.85%	316	6.48	65.71%	NA	NR	0.030%	NA	NR	NR	100.00%	97.84%	99.75%	100.00%
21		RCOM	2.67	100.00%	100.00%	NA	7	NR	NA	78.66%	0.00	0.030%	NA	100.00%	100.00%	96.00%	92.00%	100.00%	100.00%
22	HP	TTSL	2.70	93.97%	98.20%	99.42%	164	8.5	100.00%	NA	0.00	0.044%	NA	61.67%	99.19%	97.36%	94.82%	99.45%	98.39%
23		BSNL	7.15	86.70%	94.66%	99.11%	2910	13.20	64.97%	NA	NR	0.001%	NA	NR	NR	NR	NR	98.05%	100.00%
24		RCOM	0.00	NA	NA	NA	0	NR	NA	84.69%	0.00	0.000%	NA	NA	NA	96.00%	92.00%	NIL	100.00%
25	HR	TTSL	0.40	72.73%	90.91%	90.91%	-	9.3	NA	NA	NA	0.000%	NA	NR	100.00%	97.73%	96.14%	NR	NR
26		Bharti Airtel	3.62	96.64%	99.46%	NA	74	7.89	97.55%	NA	0.00	0.004%	NA	100.00%	100.00%	97.08%	97.11%	100.00%	100.00%
27		BSNL	4.75	95.24%	99.94%	99.97%	895	7.00	76.18%	NA	1.00	0.002%	NA	NR	NR	99.70%	96.67%	99.84%	100.00%
28	J&K	RCOM	0.00	NA	NA	NA	0	NR	NA	84.28%	0.00	0.000%	NA	NA	NA	96.00%	92.00%	NIL	100.00%
29		TTSL	0.10	44.44%	70.37%	88.89%	8	21.2	98.52%	NA	0.00	0.098%	NA	16.67%	100.00%	97.80%	95.93%	100.00%	NR
30		BSNL	7.74	69.36%	78.58%	64.54%	0	8.67	53.40%	NA	2.00	0.020%	NA	NR	NR	NR	NR	92.53%	100.00%
31	J&K		NR	NR	NR	NR	-	0.0	NA(wireline services not commercially launched)	NA	NA	NR	NA	NR	NR	53.57%	51.67%	NR	NR
32		TTSL																	
32	Jharkhand	BSNL	4.03	95.61%	99.57%	100.00%	0	13.13	59.34%	NA	NR	0.034%	NA	NR	NR	NR	NR	99.71%	100.00%
33	Kolkata	Bharti Airtel	3.35	97.08%	99.40%	NA	286	7.47	95.33%	NA	0.00	0.008%	NA	100.00%	100.00%	97.08%	97.11%	100.00%	100.00%
34		BSNL	3.92	88.86%	98.01%	NR	0	7.42	53.96%	NA	NR	0.000%	NA	NR	NR	100.00%	98.41%	100.00%	100.00%
35		RCOM	0.06	100.00%	100.00%	NA	8	NR	NA	82.61%	0.00	0.070%	NA	100.00%	100.00%	96.00%	92.00%	100.00%	100.00%
36	Kerala	TTSL	0.50	93.58%	99.25%	100.00%	-	5.1	98.27%	NA	0.00	0.014%	NA	42.86%	94.44%	93.72%	89.56%	100.00%	NR
37		Bharti Airtel	2.98	99.39%	99.82%	NA	42	3.67	92.74%	NA	0.00	0.044%	NA	99.51%	100.00%	99.28%	98.77%	100.00%	100.00%
38		BSNL	6.56	87.03%	95.53%	93.21%	2638	13.91	71.14%	NA	NR	0.002%	NA	NR	NR	98.39%	96.51%	96.41%	100.00%
39	KTK	RCOM	0.19	100.00%	100.00%	NA	0	NR	NA	80.71%	0.00	0.030%	NA	100.00%	100.00%	96.00%	92.00%	100.00%	100.00%
40		TTSL	0.10	81.25%	87.50%	93.75%	2	13.0	98.38%	NA	0.00	0.000%	NA	NR	100.00%	94.11%	90.74%	100.00%	NR
41		Bharti Airtel	3.91	98.00%	99.03%	NA	1226	3.36	89.06%	NA	0.33	0.008%	NA	99.81%	100.00%	99.33%	98.53%	100.00%	100.00%
42	MH	BSNL	4.62	93.45%	96.77%	99.40%	12988	6.10	68.89%	NA	NR	0.031%	NA	NR	NR	85.72%	99.86%	100.00%	100.00%
43		RCOM	0.57	100.00%	100.00%	NA	2	NR	NA	87.72%	0.00	0.030%	NA	100.00%	100.00%	96.00%	92.00%	100.00%	100.00%
44		TTSL	0.30	84.40%	92.89%	95.87%	86	19.0	98.40%	NA	0.00	0.021%	NA	92.31%	100.00%	92.53%	85.36%	98.93%	NR
45	MP	Bharti Airtel	2.17	96.58%	98.83%	NA	108	7.43	64.20%	NA	0.00	0.002%	NA	100.00%	100.00%	0.00%	0.00%	100.00%	100.00%
46		BSNL	6.87	89.67%	95.02%	98.92%	1147	12.30	64.62%	NA	2.00	0.009%	NA	NR	NR	100.00%	NR	95.19%	100.00%
47		RCOM	0.16	100.00%	100.00%	NA	8	NR	NA	83.15%	0.00	0.050%	NA	100.00%	100.00%	96.00%	92.00%	100.00%	100.00%
48	MUM	TTSL	0.49	93.00%	100.00%	0.00%	-	6.74	59.03%	NA	NA	0.003%	NA	100.00%	100.00%	100.00%	93.00%	100.00%	100.00%
49		Bharti Airtel	8.50	91.18%	97.05%	NA	7792	9.77	61.99%	NA	5.33	0.008%	NA	100.00%	100.00%	95.81%	98.01%	100.00%	100.00%
50		BSNL	3.75	96.68%	100.00%	98.24%	294	5.50	69.04%	NA	1.00	0.028%	NA	NR	NR	90.47%	99.00%	100.00%	100.00%
51		RCOM	0.25	100.00%	100.00%	NA	0	NR	NA	82.57%	0.00	0.080%	NA	100.00%	100.00%	96.00%	92.00%	100.00%	100.00%
52	NE	TTSL	0.10	62.50%	75.00%	100.00%	-	13.2	NA	NA	NA	0.014%	NA	100.00%	100.00%	96.73%	94.85%	NR	NR
53		Bharti Airtel	1.53	95.53%	98.71%	NA	573	7.70	60.51%	NA	0.33	0.004%	NA	100.00%	100.00%	98.25%	97.22%	100.00%	100.00%
54		MTNL	6.80	89.79%	95.90%	NA	43117	13.83	58.23%	63.32%	0.00	0.050%	NA	100.00%	100.00%	88.46%	84.32%	99.92%	100.00%
55		RCOM	0.03	100.00%	100.00%	NA	6	NR	NA	89.41%	0.00	0.050%	NA	100.00%	100.00%	96.00%	92.00%	100.00%	100.00%
56	NE - I	TTSL	0.74	96.44%	100.00%	0.00%	-	4.03	56.59%	NA	NA	0.011%	NA	97.67%	82.54%	100.00%	93.00%	100.00%	100.00%
57		NE	TTSL	NR	NR	NR	NR	-	0.0	NA	NA	-	NA	NR	NR	96.29%	98.23%	NR	NR
58		BSNL	3.92	88.66%	94.84%	99.76%	44	24.01	62.47%	NA	NR	0.016%	NA	NR	NR	97.40%	100.00%	99.91%	100.00%
59	NE - II	BSNL	3.23	95.64%	98.39%	99.47%	0	8.03	60.18%	NA	NR	0.000%	NA	NR	NR	78.52%	95.33%	100.00%	100.00%

Annexure 4.2 (Contd.)

60	OR	BSNL	4.29	92.16%	97.37%	99.73%	0	7.23	62.98%	NA	NR	0.000%	NA	NR	NR	95.92%	100.00%	99.33%	100.00%
61		RCOM	0.00	NA	NA	NA	0	NR	NA	95.42%	0.00	0.000%	NA	NA	NA	96.00%	92.00%	NIL	100.00%
62		TTSL	1.50	91.14%	93.04%	96.84%	13	7.7	98.97%	NA	0.00	0.019%	NA	100.00%	100.00%	95.49%	93.13%	100.00%	NR
63	PB	Bharti Airtel	2.58	95.90%	99.46%	NA	82	7.87	95.42%	NA	0.00	0.017%	NA	100.00%	100.00%	97.08%	97.11%	100.00%	100.00%
64		BSNL	7.04	87.67%	90.78%	99.19%	220	11.77	70.70%	NA	NR	0.000%	NA	NR	NR	99.89%	95.33%	99.85%	100.00%
65		HFCL	3.40	98.24%	99.78%	NA	40	4.7	55.51%	NA	0.00	0.071%	NA	100.00%	100.00%	93.96%	97.00%	100.00%	100.00%
66		RCOM	0.49	100.00%	100.00%	NA	0	NR	NA	93.23%	0.00	0.050%	NA	100.00%	100.00%	96.00%	92.00%	100.00%	100.00%
67		TTSL	0.60	87.08%	94.38%	96.07%	14	3.4	98.40%	NA	0.00	0.023%	NA	60.00%	100.00%	97.88%	95.80%	98.58%	NR
68	RJ	Bharti Airtel	2.37	96.26%	99.72%	NA	15	7.61	92.81%	NA	0.00	0.004%	NA	100.00%	100.00%	97.08%	97.11%	100.00%	100.00%
69		BSNL	4.71	95.71%	98.80%	97.93%	826	6.93	62.25%	NA	NR	0.010%	NA	NR	NR	97.62%	99.33%	100.00%	100.00%
70		Sistema	2.67	94.94%	100.00%	NIL	NIL	4.87	96.64%	NA	0.00	0.090%	NIL	100.00%	100.00%	97.33%	100.00%	100.00%	100.00%
71		RCOM	1.98	100.00%	100.00%	NA	0	NR	NA	89.95%	0.00	0.060%	NA	100.00%	100.00%	96.00%	92.00%	NIL	100.00%
		TTSL	0.00	33.30%	100.00%	100.0%	-	18.6	##	NA	##	0.02%	NA	100.0%	100.0%	97.5%	95.6%	-	-
72	TN	Bharti Airtel	4.81	97.67%	99.25%	NA	1548	3.55	91.02%	NA	0.33	0.085%	NA	98.92%	100.00%	99.46%	98.71%	100.00%	100.00%
73		BSNL	2.88	94.97%	99.26%	99.99%	0	5.24	72.50%	NA	1.00	0.000%	NA	NR	NR	92.43%	93.65%	100.00%	100.00%
74		RCOM	0.29	100.00%	100.00%	NA	1	NR	NA	77.71%	0.00	0.050%	NA	100.00%	100.00%	96.00%	92.00%	100.00%	100.00%
75		TTSL	0.10	61.11%	66.67%	72.22%	7	29.6	98.88%	NA	0.00	0.013%	NA	NR	NR	95.00%	91.13%	100.00%	NR
76	UP-E	Bharti Airtel	3.40	95.31%	99.39%	NA	37	8.02	99.62%	NA	0.00	0.000%	NA	100.00%	100.00%	97.08%	97.11%	100.00%	100.00%
77		BSNL	4.06	95.25%	98.47%	97.56%	2037	6.82	69.93%	NA	1.00	0.016%	NA	NR	NR	92.71%	100.00%	99.86%	100.00%
78		RCOM	0.77	100.00%	100.00%	NA	6	NR	NA	85.52%	0.00	0.070%	NA	100.00%	100.00%	96.00%	92.00%	100.00%	100.00%
79		TTSL	3.80	98.94%	99.10%	99.40%	12	5.6	99.68%	NA	0.00	0.006%	NA	100.00%	100.00%	97.72%	96.14%	100.00%	NR
80	UP-W	Bharti Airtel	3.81	95.99%	99.65%	NA	54	8.21	94.66%	NA	0.00	0.000%	NA	100.00%	100.00%	97.08%	97.11%	100.00%	100.00%
81		BSNL	5.97	94.67%	98.97%	99.54%	1789	6.80	66.87%	NA	3.00	0.098%	NA	NR	NR	92.23%	96.96%	99.55%	100.00%
82		RCOM	0.00	NA	NA	NA	0	NR	NA	86.38%	0.00	0.000%	NA	NA	NA	96.00%	92.00%	NIL	100.00%
83		TTSL	0.10	100.00%	100.00%	100.00%	-	2.3	98.80%	NA	0.00	0.000%	NA	NR	NR	97.59%	95.98%	100.00%	NR
84	Uttaranchal	BSNL	5.40	96.09%	97.76%	99.56%	0	6.50	62.83%	NA	NR	0.000%	NA	NR	NR	NR	NR	99.67%	100.00%
85	WB	BSNL	5.88	93.11%	96.31%	97.37%	337	10.31	64.39%	NA	6.00	0.031%	NA	NR	NR	76.97%	90.67%	100.00%	100.00%
86		RCOM	0.00	NA	NA	NA	0	NR	NA	75.18%	0.00	0.000%	NA	NA	NA	96.00%	92.00%	NIL	100.00%
87		TTSL	0.00	100.0%	100.00%	100.0%	-	34.5	NA	NA	NA	0.000%	NA	NR	NR	93.86%	92.37%	100.00%	NR



Benchmark not met

NR - Data Not Reported

NA - Not Applicable

- NOTE :** 1) MTNL Delhi has reported that the credit is given in the next billing cycle.
 2) TTSL Rajasthan has reported Wireline POI Commissioned but utilization is "Zero", so data not available this month
 3) None of the SPs have reported for the Parameter "Metering and billing credibility - pre paid"

Annexure 4.3: Quality of Service Performance of Broadband Service Providers

Sl. No.	Service Operators	Service Provisioning	Faults Repair		Billing Performance			Response Time to the Customer for assistance		Bandwidth Utilization/throughput					Packet Loss	Network latency (for wired broadband access)			
		%age of connections provided within 15 days of registration of demand	% of faults repaired by next working day (>90%)	% of faults repaired within 3 working day	Rent Rebate	%age of bills disputed	%age of billing complaints resolved within 4 weeks	%age of cases to whom refund of deposits is made within 60 days of closures	%age of calls answered by operator (Voice to voice) within 60 sec	%age of calls answered by operator (Voice to voice) within 90 sec	No. of Intra network links having Bandwidth Utilization >90% during peak hours (TCBH)	No. of Upstream links for International connectivity having bandwidth Utilization >90% during peak hours (TCBH)	% International bandwidth utilization during peak hours (TCBH) (Enclose MRTG) <90%	Broadband Connection Speed available (download) from ISP node to user	Service availability /uptime (for all users) in %age	Packet loss (for wired broadband access) in %age	User reference point at POP/ISP Gateway node to IGSP/NIXI	User reference point at ISP Gateway node to International nearest NAP port abroad (terrestrial)	User reference point at ISP Gateway node to International nearest NAP port abroad (satellite)
		1.2	2.2	2.3	2.4	3.3	3.4	3.5	4.2	4.3	5.2	5.4	5.7	5.8	6.3	7.0	8.1	8.2	8.3
		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	96.20%	90.90%	99.70%	9	1.90%	99.70%	100.00%	87.90%	97.10%	0	0	73.10%	93.30%	99.30%	0.00%	13.7	228.7	NA
1.2	Assam	90.20%	93.00%	72.00%	0	0.20%	99.90%	100.00%	86.50%	86.30%	0		73.10%	96.90%	99.90%	0.00%	13.7	228.7	NA
1.3	Bihar	100.00%	94.10%	98.50%	0	0.10%	100.00%	100.00%	100.00%	100.00%	0		73.10%	85.70%	99.80%	0.00%	13.7	228.7	NA
1.4	Chhattisgarh	100.00%	93.00%	99.80%	66	0.10%	100.00%	100.00%	83.30%	91.20%	0		73.10%	92.10%	99.30%	0.00%	13.7	228.7	NA
1.5	Chennai	100.00%	94.00%	100.00%	0	0.00%	100.00%	100.00%	91.70%	100.00%	0		73.10%	91.20%	99.90%	0.00%	13.7	228.7	NA

Annexure 4.3 (Contd.)

1.6	Gujrat	100.00%	94.40%	100.00%	0	0.10%	100.00%	100.00%	71.10%	88.30%	0		73.10%	89.30%	99.90%	0.00%	13.7	228.7	NA
1.7	Haryana	100.00%	93.30%	99.90%	3	0.00%	100.00%	100.00%	86.30%	93.90%	0		73.10%	91.70%	99.80%	0.00%	13.7	228.7	NA
1.8	Himachal Pradesh	97.90%	92.80%	100.00%	0	0.00%	100.00%	100.00%	85.00%	93.40%	0		73.10%	88.70%	99.20%	0.00%	13.7	228.7	NA
1.9	Jammu & Kashmir	99.90%	95.00%	100.00%	0	0.10%	100.00%	100.00%	79.60%	91.70%	0		73.10%	87.10%	98.70%	0.00%	13.7	228.7	NA
1.10	Jharkhand	100.00%	83.80%	94.10%	0	2.70%	100.00%	100.00%	82.40%	92.80%	0		73.10%	92.80%	97.00%	0.00%	13.7	228.7	NA
1.11	Karnataka	100.00%	94.70%	99.90%	834	0.20%	100.00%	100.00%	85.70%	95.00%	0		73.10%	93.00%	99.80%	0.00%	13.7	228.7	NA
1.12	Kerala	100.00%	95.40%	100.00%	6	0.20%	99.40%	100.00%	83.50%	93.70%	0		73.10%	86.50%	99.90%	0.00%	13.7	228.7	NA
1.13	Kolkata	100.00%	89.70%	100.00%	0	0.30%	100.00%	100.00%	83.70%	100.00%	0		73.10%	81.60%	99.80%	0.00%	13.7	228.7	NA
1.14	Maharashtra	99.40%	94.30%	99.90%	5	0.20%	100.00%	100.00%	92.90%	109.40%	0		73.10%	90.40%	99.80%	0.00%	13.7	228.7	NA
1.15	Madhya Pradesh	100.00%	95.10%	100.00%	0	0.20%	100.00%	100.00%	86.00%	95.70%	0		73.10%	89.80%	99.70%	0.00%	13.7	228.7	NA
1.16	North East I	100.00%	96.40%	78.80%	6	0.00%	100.00%	100.00%	97.00%	96.30%	0		73.10%	89.90%	98.50%	0.00%	13.7	228.7	NA
1.17	North East II	100.00%	96.70%	100.00%	0	0.00%	100.00%	100.00%	88.80%	95.40%	0		73.10%	81.00%	99.00%	0.00%	13.7	228.7	NA
1.18	Orissa	100.00%	94.40%	100.00%	1	0.10%	100.00%	100.00%	87.20%	95.80%	0		73.10%	92.40%	99.60%	0.00%	13.7	228.7	NA
1.19	Punjab	100.00%	93.70%	99.70%	238	0.00%	100.00%	100.00%	84.70%	93.30%	0		73.10%	90.80%	99.60%	0.00%	13.7	228.7	NA
1.20	Rajasthan	100.00%	93.20%	99.90%	1	0.10%	100.00%	100.00%	79.60%	87.80%	0		73.10%	85.40%	99.90%	0.00%	13.7	228.7	NA
1.21	Tamil Nadu	99.90%	93.90%	100.00%	0	0.00%	100.00%	100.00%	88.50%	93.80%	0		73.10%	91.30%	99.90%	0.00%	13.7	228.7	NA
1.22	UP- East	100.00%	91.10%	99.90%	63	0.40%	100.00%	100.00%	87.30%	95.00%	0		73.10%	93.90%	99.70%	0.00%	13.7	228.7	NA
1.23	UP-West	99.90%	92.20%	99.80%	163	0.40%	100.00%	100.00%	79.80%	87.50%	0		73.10%	91.40%	99.70%	0.00%	13.7	228.7	NA
1.24	Uttaranchal	100.00%	95.30%	100.00%	33	0.00%	100.00%	100.00%	89.50%	98.60%	0		73.10%	93.70%	99.30%	0.00%	13.7	228.7	NA
1.25	West Bengal	97.30%	93.50%	99.90%	4	0.30%	100.00%	100.00%	134.00%	129.20%	0		73.10%	93.80%	92.40%	0.00%	13.7	228.7	NA
1.26	A&N	100.00%	95.10%	100.00%	0	0.00%	100.00%	100.00%	85.00%	100.00%	0		73.10%	96.70%	98.90%	0.00%	13.7	228.7	NA
2	MTNL																		
2.1	Delhi	96.70%	55.36%	77.09%	713 6	0.12%	95.15%	100.00%	98.94%	99.48%	0	2	81.85%	95.00%	99.81%	C/DNF	C/DNF	C/DNF	NA
2.2	Mumbai	88.90%	74.03%	86.23%	0	0.023%	100.00%	NA	48.92%	53.51%	0	0	78.50%	C/DNF	C/DNF	C/DNF	C/DNF	C/DNF	NA

Annexure 4.3 (Contd.)

3	Bharti Airtel Ltd.																		
3.1	Andhra Pradesh	100.00%	97.00%	99.00%	33	0.08%	99.57%	100.00%	96.22%	97.86%	1	0	85.00%	103.00%	100.00%	0.00%	94	775	NA
3.2	Delhi	100.00%	96.00%	99.00%	121	0.00%	100.00%	100.00%	91.70%	94.80%	0	0	78.00%	100.00%	100.00%	0.00%	85	13	NA
3.3	Gujarat	100.00%	98.00%	100.00%	3	0.01%	100.00%	100.00%	NR	NR	0	0	0.00%	99.00%	100.00%	0.00%	127	66	NA
3.4	Haryana	100.00%	97.00%	100.00%	1	0.00%	100.00%	100.00%	93.70%	96.46%	2	0	0.00%	100.00%	100.00%	0.00%	93	13	NA
3.5	Karnataka	100.00%	98.00%	99.00%	42	0.00%	100.00%	100.00%	94.18%	96.55%	4	0	85.00%	104.00%	100.00%	0.00%	152	787	NA
3.6	Kerala	100.00%	99.00%	100.00%	0	0.03%	96.30%	100.00%	97.68%	98.52%	0	0	0.00%	105.00%	100.00%	0.00%	169	756	NA
3.7	Kolkata	100.00%	97.00%	99.00%	2	0.00%	100.00%	100.00%	93.70%	96.46%	1	0	69.00%	100.00%	100.00%	0.00%	107	7	NA
3.8	Madhya Pradesh & CG	100.00%	92.00%	97.00%	316	0.00%	100.00%	100.00%	95.82%	98.15%	0	0	85.00%	99.00%	100.00%	0.00%	114	198	NA
3.9	Maharashtra	100.00%	96.00%	99.00%	22	0.00%	100.00%	100.00%	NR	NR	0	0	0.00%	99.00%	100.00%	0.00%	117	66	NA
3.10	Mumbai	100.00%	96.00%	99.00%	53	0.00%	100.00%	100.00%	97.63%	98.84%	0	2	90.00%	99.00%	100.00%	0.00%	81	66	NA
3.11	Punjab	100.00%	97.00%	99.00%	4	0.00%	100.00%	100.00%	93.70%	96.46%	1	0	80.00%	100.00%	100.00%	0.00%	77	13	NA
3.12	Rajasthan	100.00%	96.00%	100.00%	2	0.01%	100.00%	100.00%	93.70%	96.46%	0	0	0.00%	100.00%	100.00%	0.00%	47	13	NA
3.13	Tamilnadu	100.00%	97.00%	99.00%	150	0.02%	100.00%	100.00%	94.86%	97.13%	0	0	89.00%	102.00%	100.00%	0.00%	193	817	NA
3.14	UP – East	100.00%	97.00%	100.00%	2	0.00%	100.00%	100.00%	93.28%	96.04%	0	0	0.00%	100.00%	100.00%	0.00%	111	13	NA
3.15	UP – West	100.00%	95.00%	99.00%	2	0.00%	100.00%	100.00%	93.70%	96.46%	0	0	28.00%	100.00%	100.00%	0.00%	75	13	NA
4	Tata Communications																		
4.1	Central Region	100.00%	99.00%	100.00%	600 7	0.81%	100.00%	100.00%	96.00%	96.33%	0	0	44.40%	C/DNF	99.65%	0.00%	C/DNF	C/DNF	NA
4.2	East	99.00%	97.00%	99.00%		0.57%			96.00%	96.33%	0	0	44.40%	C/DNF	99.06%	0.00%	C/DNF	C/DNF	NA
4.3	North	100.00%	99.00%	100.00%		0.76%			96.00%	96.33%	0	0	44.40%	C/DNF	99.76%	0.00%	C/DNF	C/DNF	NA
4.4	South 1	99.00%	90.00%	98.00%		0.40%			96.00%	96.33%	0	0	44.40%	C/DNF	98.87%	0.00%	C/DNF	C/DNF	NA
4.5	South 2	99.00%	95.00%	99.00%		0.99%			96.00%	96.33%	0	0	44.40%	C/DNF	98.34%	0.00%	C/DNF	C/DNF	NA

Annexure 4.3 (Contd.)

4.6	South 3	99.00%	97.00%	99.00%		1.90%			96.00%	96.33%	0	0	44.40%	C/DNF	99.74%	0.00%	C/DNF	C/DNF	NA
4.7	South 4	100.00%	92.00%	98.00%		0.74%			96.00%	96.33%	0	0	44.40%	C/DNF	96.64%	0.00%	C/DNF	C/DNF	NA
4.8	West 1	96.00%	94.00%	98.00%		0.24%			96.00%	96.33%	0	0	44.40%	C/DNF	98.86%	0.00%	C/DNF	C/DNF	NA
4.9	West 2	100.00%	96.00%	99.00%		0.92%			96.00%	96.33%	0	0	44.40%	C/DNF	98.01%	0.00%	C/DNF	C/DNF	NA
5	Hathway																		
5.1	Andhra Pradesh	100.00%	98.00%	100.00%	5	1.84%	100.00%	100.00%	100.00%	100.00%	1	0	88.00%	85.00%	99.00%	0.98%	80	320	NA
5.2	Delhi	100.00%	91.00%	99.00%	60	1.23%	100.00%	100.00%	92.00%	92.00%	0	1	87.00%	85.00%	98.00%	0.95%	80	300	NA
5.3	Gujarat	100.00%	95.00%	100.00%	0	0.00%	100.00%	100.00%	99.00%	99.00%	0	0	89.00%	85.00%	100.00%	0.90%	100	350	NA
5.4	Haryana	100.00%	100.00%	100.00%	0	NR	NA	NA	100.00%	100.00%	0	DNF	NA	85.00%	100.00%	0.95%	100	320	NA
5.5	Karnataka	100.00%	97.00%	100.00%	746	0.23%	100.00%	100.00%	100.00%	100.00%	1	0	88.00%	85.00%	99.00%	0.95%	80	320	NA
5.6	Maharashtra	100.00%	91.00%	99.00%	521 2	0.92%	100.00%	100.00%	75.00%	94.00%	1	3	87.00%	85.00%	99.00%	0.00%	80	350	NA
5.7	Punjab	100.00%	99.00%	99.00%	21	0.99%	100.00%	100.00%	99.00%	99.00%	0	0	86.00%	87.00%	100.00%	0.96%	80	300	NA
5.8	Tamilnadu	due to severe right of way issue at Tamilnadu we have temporarily suspended our services there (except for 15 Fiber customer at Tirupur)																	
5.9	Uttar Pradesh	100.00%	97.00%	99.00%	30	1.34%	100.00%	100.00%	99.00%	99.00%	0	0	89.00%	85.00%	99.00%	0.95%	100	320	NA
6	YOU Telecom India Pvt. Ltd.																		
	All India	100.00%	94.00%	99.00%	382	0.29%	100.00%	58.00%	87.00%	91.00%	0	0	77.29%	87.17%	98.93%	C/DNF	12	257	NA
6.1	Andhra Pradesh	100.00%	91.00%	99.00%	49	0.13%	100.00%	54.00%	89.00%	93.00%	NA	0	76.32%	85.97%	99.05%	C/DNF	15	268	NA
6.2	Gujarat	100.00%	89.00%	98.00%	187	0.26%	100.00%	34.00%	86.00%	91.00%	NA	0	77.92%	86.65%	99.22%	C/DNF	11	256	NA
6.3	Haryana	100.00%	99.65%	100.00%	0	0.35%	100.00%	74.00%	86.00%	91.00%	NA	0	75.00%	88.16%	99.59%	C/DNF	20	267	NA
6.4	Karnataka	100.00%	99.00%	100.00%	0	0.31%	100.00%	66.00%	87.00%	92.00%	NA	0	75.00%	89.18%	99.65%	C/DNF	6	240	NA
6.5	Maharashtra	100.00%	93.00%	99.00%	109	0.36%	100.00%	34.00%	86.00%	91.00%	0	0	77.66%	87.24%	98.93%	C/DNF	13	251	NA
6.6	Tamilnadu	100.00%	91.00%	99.00%	37	0.49%	100.00%	94.00%	86.00%	91.00%	NA	0	76.19%	87.94%	98.61%	C/DNF	6	260	NA

Annexure 4.3 (Contd.)

7	SIFY																		
	All India	100.00%	90.00%	100.00%	157	0.00%	0.00%	0.00%	100.00%	NA	0	Nil	85.00%	95.00%	100.00%	C/DNF	C/DNF	C/DNF	Nil
8	Reliance																		
	All India	100.00%	100.00%	100.00%	47	0.24%	100.00%	100.00%	84.00%	88.00%	0	0	35.00%	90.00%	100.00%	C/DNF	DNF	DNF	NA
9	Asianet																		
	Kerala	100.00%	90.50%	99.30%	NR	1.86%	99.46%	100.00%	NR	NR	0	0	69.00%	DNF	99.00%	C/DNF	C/DNF	C/DNF	NA
10	HFCL Infotel Lt.d																		
	Punjab	99.70%	99.20%	99.90%	1	0.06%	100.00%	100.00%	92.00%	96.00%	0	0	77.00%	100.00%	99.94%	0.00%	C/DNF	C/DNF	NA
11	Ortel																		
	Orissa	100.00%	91.80%	99.67%	0	0.24%	100.00%	100.00%	99.99%	100.00%	0	0	64.09%	90.67%	93.07%	0.06%	85	257	NA
12	Tata Teleservices (Maharashtra) Ltd.																		
	Maharashtra & Goa	100.00%	92.71%	100.00%	NA	0.20%	98.78%	100.00%	94.17%	95.75%	0	0	75.00%	85.00%	99.84%	0.64%	94	265	NA
13	Alliance Broadband Services Pvt. Ltd.																		
	Kolkatta	100.00%	96.00%	100.00%	0	0.06%	100.00%	NA	87.00%	99.00%	7	1	69.00%	DNF	99.00%	1.00%	NA	NA	NA

Annexure 4.3 (Contd.)

14	Spectra Net																		
	All India (Delhi, Banglore & Mumbai)	98.60%	100.00 %	100.00%	0	0.00%	NA	NA	100.00%	100.00%	0	0	87.00%	C/DNF	99.99%	C/DNF	C/DNF	NA	NA
15	Beam Cables																		
	Hyderabad	100.00%	DNF	DNF	119 6	1.66%	NA	NA	C/DNF	C/DNF	0	0	94.00%	C/DNF	98.33%	C/DNF	C/DNF	C/DNF	NA
	Abbreviation	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: Broadcaster wise list of pay channels along with their reported a-la-carte rates

(As reported to TRAI upto 31st December 2009)

<i>S. No</i>	<i>Name of the Broadcaster</i>	<i>S.No</i>	<i>Name of the channel</i>	<i>Reported Rates(in INR)</i>	<i>Remarks</i>
1	M/s Zee-Turner Limited	1	Zee TV	13.88	As on 01.12.2007, the rate of the channel was Rs. 12.97. Reported revised rate of Rs. 13.88 w.e.f. 01.01.2009.
		2	Zee Cinema	13.88	As on 01.12.2007, the rate of the channel was Rs. 12.97 Reported revised rate of Rs. 13.88 w.e.f. 01.01.2009.
		3	Cartoon Network	13.37	As on 01.12.2007, the rate of the channel was Rs. 12.50 Reported revised rate of Rs. 13.37 w.e.f. 01.01.2009.
		4	Zee Marathi	08.56	As on 01.12.2007, the rate of the channel was Rs. 8.00 Reported revised rate of Rs. 08.56 w.e.f. 01.01.2009.
		5	Zee News	08.02	As on 01.12.2007, the rate of the channel was Rs. 7.50 Reported revised rate of Rs. 08.02 w.e.f. 01.01.2009.
		6	CNN	01.60	As on 01.12.2007, the rate of the channel was Rs. 1.50 Reported revised rate of Rs. 01.60 w.e.f. 01.01.2009.
		7	Zee Café	08.56	As on 01.12.2007, the rate of the channel was Rs. 8.00 Reported revised rate of Rs. 08.56 w.e.f. 01.01.2009.
		8	Zee Studios	07.49	As on 01.12.2007, the rate of the channel was Rs. 7.00 Reported revised rate of Rs. 07.49 w.e.f. 01.01.2009.
		9	Zee Bangla	08.67	As on 01.12.2007, the rate of the channel was Rs. 8.10 Reported revised rate of Rs. 08.67 w.e.f. 01.01.2009.
		10	Zee Punjabi	01.60	As on 01.12.2007, the rate of the channel was Rs. 1.50 Reported revised rate of Rs. 01.60 w.e.f. 01.01.2009.

Annexure 5.1 (Contd.)

S. No	Name of the Broadcaster	S.No	Name of the channel	Reported Rates(in INR)	Remarks
		11	Zee Trendz	01.07	As on 01.12.2007, the rate of the channel was Rs. 1.00 Reported revised rate of Rs. 01.67 w.e.f. 01.01.2009.
		12	HBO	16.69	As on 01.12.2007, rate of the channel was Rs. 15.60 Reported revised rate of Rs. 16.69 w.e.f. 01.01.2009.
		13	POGO	13.37	As on 01.12.2007, rate of the channel was Rs. 12.50 Reported revised rate of Rs. 13.37 w.e.f. 01.01.2009.
		14	Zee Business	05.14	As on 01.12.2007, rate of the channel was Rs. 4.80 Reported revised rate of Rs. 05.14 w.e.f. 01.01.2009.
		15	Zee Classic	10.70	As on 01.12.2007, rate of the channel was Rs. 10.00 Reported revised rate of Rs. 10.70 w.e.f. 01.01.2009.
		16	Zee Action	10.70	As on 01.12.2007, rate of the channel was Rs. 10.00 Reported revised rate of Rs. 10.70 w.e.f. 01.01.2009.
		17	Zee Premier	11.98	As on 01.12.2007, rate of the channel was Rs. 11.20 Reported revised rate of Rs. 11.98 w.e.f. 01.01.2009.
		18	Zee Sports	11.13	As on 01.12.2007, rate of the channel was Rs. 10.40 Reported revised rate of Rs. 11.13 w.e.f. 01.01.2009.
		19	Zee Telugu	11.13	As on 01.12.2007, rate of the channel was Rs. 10.40 Reported revised rate of Rs. 11.13 w.e.f. 01.01.2009.
		20	Zee Kannada	07.98	As on 01.12.2007, rate of the channel was Rs. 7.46 Reported revised rate of Rs. 07.98 w.e.f. 01.01.2009.
		21	ETC Punjabi	09.63	As on 01.12.2007, rate of the channel was Rs. 9.00 Reported revised rate of Rs. 09.63 w.e.f. 01.01.2009.
		22	ETC	03.21	As on 01.12.2007, rate of the channel was Rs. 3.00 Reported revised rate of Rs. 03.21 w.e.f. 01.01.2009.
		23	Zing*	05.35	As on 01.12.2007, rate of the channel was Rs. 5.00 Reported revised rate of Rs. 05.35 w.e.f. 01.01.2009.

Annexure 5.1 (Contd.)

S. No	Name of the Broadcaster	S.No	Name of the channel	Reported Rates(in INR)	Remarks
		24	Zee Jagran	02.14	As on 01.12.2007, rate of the channel was Rs. 2.00 Reported revised rate of Rs. 02.14 w.e.f. 01.01.2009.
		25	Zee Smile	06.57	As on 01.12.2007, rate of the channel was Rs. 6.14 Reported revised rate of Rs. 06.57 w.e.f. 01.01.2009.
		26	24 Ghante	06.42	As on 01.12.2007, rate of the channel was Rs. 6.00 Reported revised rate of Rs. 06.42 w.e.f. 01.01.2009.
		27	24 Taas	09.09	As on 01.12.2007, rate of the channel was Rs. 8.50 Reported revised rate of Rs. 09.09 w.e.f. 01.01.2009.
		28	Zee Talkies	16.58	As on 01.12.2007, rate of the channel was Rs. 15.50 Reported revised rate of Rs. 16.58 w.e.f. 01.01.2009.
		29	Ten Sports	16.05	Till 31.03.2008, this channel was being distributed by M/s MSM Discovery India Private Limited. As on 01.12.2007, the rate of the channel was Rs. 15.00 Reported revised rate of Rs. 16.05 w.e.f. 01.01.2009.
		30	WB	6.60	Launched on 15.03.2009
		31	REAL	13.00	Launched on 02.03.2009
		32	Zee 24 Ghantalu	5.60	Launched on 02.04.2009
		<p>Note:</p> <p>i) Channel "Reality TV" was distributed @ Rs. 1.50 upto 31.08.2008. The distribution of this channel ceased from 01.09.2008 for public viewing as downlinking permission was cancelled by Ministry of I&B.</p> <p>ii) As on 01.12.2007, Channel "Zee Next" was distributed @ Rs 20.00. The distribution of this channel suspended from 05.03.2009 for public viewing.</p> <p>iii) As on 01.12.2007, Channel "Zee Gujarati" was distributed @ Rs 01.50. The distribution of this channel discontinued from 01.06.2009.</p> <p>iv) * Prior to 01.05.2009, the name of the channel "Zing" was "Zee Music"</p> <p>v) Channel "Play TV" was distributed @ 4.28 upto 30.12.2009. The distribution of this channel discontinued from 31.12.2009 for public viewing.</p>			

Annexure 5.1 (Contd.)

S. No	Name of the Broadcaster	S.No	Name of the channel	Reported Rates(in INR)	Remarks
2	M/s MSM Discovery India Private Limited	33	SET(Sony Entertainment Television)	21.40	As on 01.12.2007, the rate of channel was Rs. 20.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 21.40 .
		34	MAX	18.19	As on 01.12.2007, rate of the channel was Rs. 17.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 18.19 .
		35	Discovery	16.05	As on 01.12.2007, rate of the channel was Rs. 15.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 16.05 .
		36	Animal Planet	05.35	As on 01.12.2007, rate of the channel was Rs. 5.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 5.35 .
		37	AXN	15.52	As on 01.12.2007, rate of the channel was Rs. 14.50 W.e.f. 01.01.2009, rate of the channel increased to Rs 15.52 .
		38	Animax	02.14	As on 01.12.2007, rate of the channel was Rs. 2.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 2.14 .
		39	Discovery Travel and Living	09.63	As on 01.12.2007, rate of the channel was Rs. 9.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 9.63 .
		40	SAB TV	14.70	As on 01.12.2007, rate of the channel was Rs. 13.74 W.e.f. 01.01.2009, rate of the channel increased to Rs 14.70 .
		41	SET PIX	12.84	As on 01.12.2007, rate of the channel was Rs. 12.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 12.84 .
		42	MTV	07.49	As on 01.12.2007, rate of the channel was Rs. 7.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 7.49 .
		43	NICK	06.42	As on 01.12.2007, rate of the channel was Rs. 6.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 6.42 .

Annexure 5.1 (Contd.)

S. No	Name of the Broadcaster	S.No	Name of the channel	Reported Rates(in INR)	Remarks
		44	VH1	03.21	As on 01.12.2007, rate of the channel was Rs. 3.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 3.21 .
		45	NDTV 24X7	9.10	As on 01.12.2007, rate of the channel was Rs. 8.50 W.e.f. 01.01.2009, rate of the channel increased to Rs 9.10 .
		46	NDTV Profit	06.42	As on 01.12.2007, the rate of the channel was Rs. 6.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 6.42 .
		47	Aaj Tak	07.49	As on 01.12.2007, the rate of the channel was Rs. 7.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 7.49 .
		48	Headlines Today	03.21	As on 01.12.2007, the rate of the channel was Rs. 3.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 3.21 .
		49	Tez	02.14	As on 01.12.2007, the rate of the channel was Rs. 2.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 2.14 .
		50	COLORS	21.40	This channel was launched on 21.07.2008 and the rate of the channel was Rs 20.00. The channel was distributed by M/s Viacom 18 till 31.03.2009. W.e.f. 01.04.2009, rate of the channel increased to Rs 21.40.
		51	Channel 8	10.00	Earlier, "Channel 8" was distributed by M/s Bengla Entertainment Private Limited as a FTA channel. W.e.f. 01.04.2009, this channel was converted to Pay channel @ Rs 10.00.

Annexure 5.1 (Contd.)

S. No	Name of the Broadcaster	S.No	Name of the channel	Reported Rates(in INR)	Remarks
3	M/s Channel Plus	52	SUN TV	12.40	
		53	Gemini TV	10.30	
		54	Udaya TV	11.50	
		55	K TV	15.00	
		56	Teja TV	05.30	
		57	Udaya Movies	14.40	
		58	Sun Music	07.00	
		59	Gemini Music	07.00	
		60	Sun News	01.40	
		61	Gemini News	07.50	
		62	Udaya Varthegalu	07.35	
S. No	Name of the Broadcaster	S.No	Name of the channel	Reported Rates(in INR)	Remarks
		63	Navvulu TV *	17.00	
		64	Chintu TV	01.60	M/s Channel Plus has changed the genres of channel & increased the rate of channel to Rs 13.37 Rate under examination
		65	Ushe	15.00	
		66	Kushi TV**	01.50	M/s Channel Plus has changed the genres of channel & increased the rate of channel to Rs 13.37 Rate under examination
		67	Chutti TV	13.37	Converted from FTA to Pay w.e.f 17.11.2009 Rate Under Examination
		68	Udaya II	7.49	Converted from FTA to Pay w.e.f 17.11.2009 Rate Under Examination
		69	Adithya TV	18.19	Converted from FTA to Pay w.e.f 17.11.2009 Rate Under Examination
		<p>Note:</p> <p>Prior to 06.03.2009, channel "Adithya" was distributed @ Rs. 03.00. W.e.f. 06.03.2009, the channel "Adithya" has been converted from Pay to FTA. W.e.f. 06.03.2009, the channel "Adithya" was converted from Pay to FTA. W.e.f 17.11.2009, the channel "Adithya" has been converted from FTA to Pay & increase the rate of channel to Rs 18.19. The rate under examination.</p> <p>* Prior to 27.07.2009, the name of the channel "Navvulu" was "Gemini Cable Vision"</p> <p>** Prior to 09.04.2009, the name of the channel "Kushi TV" was "Udaya News"</p>			

Annexure 5.1 (Contd.)

S. No	Name of the Broadcaster	S.No	Name of the channel	Reported Rates(in INR)	Remarks
4.	M/s STAR DEN Media Services Private Limited The discounts if any, given on bouquet rate to existing affiliate(s) will also be extended to a-la-carte rate(s) in the same proportion as the discounted bouquet rate.	70	Star Plus	18.73	As on 01.12.2007, rate of the channel was Rs. 17.50 W.e.f. 01.01.2009, rate of the channel increased to Rs 18.73 .
		71	Star Gold	17.66	As on 01.12.2007, rate of the channel was Rs. 16.50 W.e.f. 01.01.2009, rate of the channel increased to Rs 17.66 .
		72	Star Movies	17.66	As on 01.12.2007, rate of the channel was Rs. 16.50 W.e.f. 01.01.2009, rate of the channel increased to Rs 17.66 .
		73	Star World	04.87	As on 01.12.2007, rate of the channel was Rs. 4.55 W.e.f. 01.01.2009, rate of the channel increased to Rs 4.87 .
		74	Vijay TV	04.28	As on 01.12.2007, rate of the channel was Rs. 4.00 (Rs 11.80 in Tamilnadu) W.e.f. 01.01.2009, rate of the channel increased to Rs 4.28 (Rs 12.63 in Tamilnadu).
		75	NGC	06.15	As on 01.12.2007, rate of the channel was Rs. 5.75 W.e.f. 01.01.2009, rate of the channel increased to Rs 6.15 .
		76	The Fox History and Entertainment Channel	04.71	As on 01.12.2007, rate of the channel was Rs. 4.40 W.e.f. 01.01.2009, rate of the channel increased to Rs 4.71 .
		77	Channel (V)	01.07	As on 01.12.2007, rate of the channel was Rs. 1.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 1.07 .
		78	Star One	21.94	As on 01.12.2007, rate of the channel was Rs. 20.50 W.e.f. 01.01.2009, rate of the channel increased to Rs 21.94 .

Annexure 5.1 (Contd.)

S. No	Name of the Broadcaster	S.No	Name of the channel	Reported Rates(in INR)	Remarks
		79	The Disney Channel	09.52	As on 01.12.2007, rate of the channel was Rs. 8.90 W.e.f. 01.01.2009, rate of the channel increased to Rs 9.52 .
		80	Toon Disney	09.52	As on 01.12.2007, rate of the channel was Rs. 8.90 W.e.f. 01.01.2009, rate of the channel increased to Rs 9.52 .
		81	Hungama	08.35	As on 01.12.2007, rate of the channel was Rs. 7.80 W.e.f. 01.01.2009, rate of the channel increased to Rs 8.35 .
		82	Times Now	09.10	As on 01.12.2007, rate of the channel was Rs. 8.50 W.e.f. 01.01.2009, rate of the channel increased to Rs 9.10 .
		83	Zoom	08.35	As on 01.12.2007, rate of the channel was Rs. 7.80 W.e.f. 01.01.2009, rate of the channel increased to Rs 8.35 .

Annexure 5.1 (Contd.)

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

Annexure 5.1 (Contd.)

S. No	Name of the Broadcaster	S.No	Name of the channel	Reported Rates(in INR)	Remarks
		87	The MGM	6.42	M/s Star Den has started distributing this channel w.e.f. 15.09.2008 @ Rs. 6.00 W.e.f. 01.01.2009, rate of the channel increased to Rs 6.42 .
		88	Star Jalsha	12	Earlier, "Star Jalsha " was distributed by M/s Star Den as a FTA channel. W.e.f. 05.11.2009, this channel was converted to Pay channel @ Rs 12.
		89	Star Ananda	6	Earlier, "Star Ananda"" was distributed by M/s Media Content & Communications Service (India) Private Limited as a FTA channel. W.e.f. 05.11.2009, this channel was converted to Pay channel @ Rs 6.00.
5.	M/s Ushodaya Enterprises Private Limited	90	ETV	10.70	As on 01.12.2007, rate of the channel was Rs. 10.00 W.e.f. 01.11.2009, rate of the channel increased to Rs 10.70 .
		91	ETV 2	05.99	As on 01.12.2007, rate of the channel was Rs. 5.60 W.e.f. 01.11.2009, rate of the channel increased to Rs 10.70 .
		92	ETV Bangla	11.12	As on 01.12.2007, rate of the channel was Rs. 10.40 W.e.f. 01.11.2009, rate of the channel increased to Rs 11.12 .
		93	ETV Marathi	11.12	As on 01.12.2007, rate of the channel was Rs. 10.40 W.e.f. 01.11.2009, rate of the channel increased to Rs 11.12 .
		94	ETV Kannada	11.12	As on 01.12.2007, rate of the channel was Rs. 10.40 W.e.f. 01.11.2009, rate of the channel increased to Rs 11.12 .
		95	ETV Gujarathi	11.12	As on 01.12.2007, rate of the channel was Rs. 10.40 W.e.f. 01.11.2009, rate of the channel increased to Rs 11.12 .
		96	ETV Oriya	11.12	As on 01.12.2007, rate of the channel was Rs. 10.40 W.e.f. 01.11.2009, rate of the channel increased to Rs 11.12 .

Annexure 5.1 (Contd.)

S. No	Name of the Broadcaster	S.No	Name of the channel	Reported Rates(in INR)	Remarks
		97	ETV UP	11.12	Converted from FTA to pay channel w.e.f. 12.05.2008. As on 01.12.2007, rate of the channel was Rs. 10.40 W.e.f. 01.11.2009, rate of the channel increased to Rs 11.12 .
		98	ETV Bihar	11.12	Converted from FTA to pay channel w.e.f. 12.05.2008. As on 01.12.2007, rate of the channel was Rs. 10.40 W.e.f. 01.11.2009, rate of the channel increased to Rs 11.12 .
		99	ETV Urdu	11.12	Converted from FTA to pay channel w.e.f. 12.05.2008. As on 01.12.2007, rate of the channel was Rs. 10.40 W.e.f. 01.11.2009, rate of the channel increased to Rs 11.12 .
		100	ETV Rajasthan	11.12	Converted from FTA to pay channel w.e.f. 12.05.2008. As on 01.12.2007, rate of the channel was Rs. 10.40 W.e.f. 01.11.2009, rate of the channel increased to Rs 11.12 .
		101	ETV MP	11.12	Converted from FTA to pay channel w.e.f. 12.05.2008. As on 01.12.2007, rate of the channel was Rs. 10.40 W.e.f. 01.11.2009, rate of the channel increased to Rs 11.12 .
6.	M/s UTV Global Broadcasting Limited	102	Bindass	10.00	
		103	Bindass Movies	10.00	
		104	World Movies	10.00	Launch of channel reported vide letter dated 11.02.2008
		105	UTV Movies	15.00	Launch of channel reported vide letter dated 11.03.2008
		106	UTVi	08.50	Launch of channel reported vide letter dated 02.04.2008

Annexure 5.1 (Contd.)

S. No	Name of the Broadcaster	S.No	Name of the channel	Reported Rates(in INR)	Remarks
7.	M/s BBC World (India) Private Limited	107	BBC World	05.00	
8.	M/s BBC Worldwide Channels Private Limited	108	BBC Entertainment	06.50	Prior to 01.07.2009, these channels were distributed by M/s BBC World (India) Private Limited
		109	Cbeebies	06.50	
9.	M/s ESPN Software India Private Limited	110	ESPN	35.45	As on 01.12.2007, rate of the channel was Rs. 33.13 W.e.f. 01.01.2009, rate of the channel to Rs 35.45
		111	Star Sports	35.45	As on 01.12.2007, rate of the channel was Rs. 33.13 W.e.f. 01.01.2009, rate of the channel to Rs 35.45
		112	Star Cricket	29.96	As on 01.12.2007, rate of the channel was Rs. 28.00 W.e.f. 01.01.2009, rate of the channel to Rs 29.96
10.	M/s Raj Television Limited	113	Raj TV	11.77	As on 01.12.2007, rate of the channel was Rs. 11.00 (Rs. 7.72 in Andhra Pradesh). W.e.f. 01.01.2009, rate of the channel to Rs 11.77(Rs 8.26 in Andhra Pradesh).
		114	Raj Digital Plus	08.26	As on 01.12.2007, rate of the channel was Rs. 7.72 (Rs 4.68 in Andhra Pradesh) W.e.f. 01.01.2009, rate of the channel increased to Rs 8.26 (Rs 5.01 in Andhra Pradesh) .
		115	Vissa TV	05.01	As on 01.12.2007, rate of the channel was Rs. 4.68 (Rs. 11.00 in Andhra Pradesh) W.e.f. 01.01.2009, rate of the channel increased to Rs 5.01 (Rs 11.77 in Andhra Pradesh).
11	M/s INX Media Private Limited	116	9XM	07.00	
		117	9X	20.50	

Note:

W.e.f 10.10.2009, the channel "NewsX has been converted from Pay to FTA. Prior to this, the channel was being distributed by M/s INX News Private Limited as pay channel@ Rs 8.50.

Annexure 5.1 (Contd.)

S. No	Name of the Broadcaster	S.No	Name of the channel	Reported Rates(in INR)	Remarks
12.	M/s Neo Sports Broadcast Private Limited	118	NEO Cricket	35.45	As on 01.12.2007, rate of the channel was Rs. 33.13 W.e.f. 01.01.2009, rate of the channel increased to Rs 35.45.
		119	NEO Sports	26.60	As on 01.12.2007, rate of the channel was Rs. 24.87 W.e.f. 01.01.2009, rate of the channel increased to Rs 26.60.
13.	M/s NDTV Imagine	120	NDTV 'Imagine'	20.50	Channel Launched on 21.01.2008
		121	NDTV Lumiere	15.00	Channel Launched on 10.10.2008
		122	NDTV Showbiz	8.00	Channel Launched on 15.08.2008
14	New Delhi Television Ltd	123	NDTV Good Times	09.63	This channel was converted from FTA to Pay channel w.e.f 03.05.2008 @ Rs 9.00. W.e.f 01.07.2009, rate of the channel increased to Rs 9.63.
15.	M/s Mega Reach	124	Firangi	15.00	Channel Launched on 25.02.2008
		125	Sahara One	20.50	Converted from FTA to Pay W.e.f. 06.06.2008
		126	Filmy	16.50	Converted from FTA to Pay W.e.f. 06.06.2008
16.	M/s B4U Television Network (India) Private Limited	127	B4U Movies	06.00	
17.	M/s MAA Television Network Limiter	128	MAA TV	06.00	As on 01.12.2007, the rate of the channel was Rs. 5.50 W.e.f. 01.08.2009, rate of the channel increased to Rs 6.00.
		129	MAA Music	07.50	As on 01.01.2008, the rate of the channel was Rs. 7.00 W.e.f. 01.08.2009, rate of the channel increased to Rs 7.50.
18.	M/s TV Today Network Limited	130	Dilli Aaj Tak	08.50	
19.	M/s Allied Infotainment Distribution Private Limited	131	E-24	15.00	Channel Launched on 27.03.2008

Annexure 5.1 (Contd.)

S. No	Name of the Broadcaster	S.No	Name of the channel	Reported Rates(in INR)	Remarks
20	M/s Turner International India Private Limited	132	Boomerang	10.00	
		133	TCM Turner Classic Movies	10.00	
21	M/s Fox Channels (India) Private Ltd	134	FX	15.50	Newly launched channel w.e.f. 31.03.2009
		135	FOX CRIME	15.50	Newly launched channel w.e.f. 31.03.2009
		136	BABY TV	13.25	Newly launched channel w.e.f. 31.03.2009
		137	Nat Geo Wild	16.00	Newly launched channel w.e.f. 01.08.2009
		138	Nat Geo Adventure	16.00	Newly launched channel w.e.f. 01.08.2009
		139	Nat Geo Music	07.40	Newly launched channel w.e.f. 01.08.2009
22	M/s Orissa Television Ltd	140	TARANG	10.00	Channel Launched on . 06.11.2008
		141	TARANG MUSIC	05.00	Newly launched channel w.e.f. 01.04.2009
23	M/s Times Global Broadcasting Company Limited	142	ET NOW	08.50	Newly launched channel w.e.f. 27.06.2009.

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

[As on 31/12/2009]

S.No	City	Name of the Company	Date of Operationalisation
1	DELHI	CLEAR MEDIA	01.09.2006
2	DELHI	DIGITAL RADIO	29.04.2003
3	DELHI	E.N.I.L.	29.04.2003
4	DELHI	H.T. MUSIC	30.10.2006
5	DELHI	M.B.P.L.	29.04.2003
6	DELHI	RADIO MID-DAY	23.09.2006
7	DELHI	RADIO TODAY BROADCASTING LTD	28.05.2007
8	DELHI	ADLABS FILMS	24-09-2006
9	MUMBAI	ADLABS FILMS	14.11.2006
10	MUMBAI	DIGITAL RADIO	29.04.2002
11	MUMBAI	E.N.I.L.	29.04.2002
12	MUMBAI	H.T. MUSIC	15.01.2007
13	MUMBAI	M.B.P.L.	21.05.2002
14	MUMBAI	RADIO TODAY BROADCASTING LTD	26.01.2008
15	MUMBAI	RADIO MID-DAY	29.04.2003
16	KOLKATA	ADLABS FILMS	21.10.2006
17	KOLKATA	RADIO TODAY BROADCASTING LTD	04.10.2007
18	KOLKATA	ANANDA OFFSET	28.02.2007
19	KOLKATA	DIGITAL RADIO	03.05.2003
20	KOLKATA	E.N.I.L.	03.05.2003
21	KOLKATA	HITZ FM	03.05.2003
22	KOLKATA	INDIA FM	03.05.2003
23	KOLKATA	H.T. MUSIC	23.01.2008
24	CHENNAI	ADLABS FILMS	27.09.2006
25	CHENNAI	E.N.I.L.	05.05.2003
26	CHENNAI	M.B.P.L.	10.07.2006
27	CHENNAI	MALAR PUBLICATIONS	02.10.2006
28	CHENNAI	MUTHOOT FINANCE	04.01.2008
29	CHENNAI	NOBLE BROADCASTING	18.01.2007
30	CHENNAI	RADIO MID-DAY	10.01.2007

Annexure 5.2 (Contd.)

S.No	City	Name of the Company	Date of Operationalisation
31	CHENNAI	SUN TV	05.05.2003
32	AGARTALA	POSITIVE RADIO	07.08.2007
33	AGRA	ADLABS FILMS	18.08.2007
34	AGRA	PAN INDIA	28.05.2008
35	AGRA	SHRI PURAN MULTIMEDIA	08.07.2007
36	AHMEDABAD	E.N.I.L.	10.12.2001
37	AHMEDABAD	M.B.P.L.	25.07.2007
38	AHMEDABAD	RADIO MID-DAY	26.08.2007
39	AHMEDABAD	SOUTH ASIA	20.04.2008
40	AHMEDABAD	SYNERGY MEDIA	21.07.2007
41	AHMEDNAGAR	B.A.G. INFOTAINMENT	01.03.2008
42	AHMEDNAGAR	M.B.P.L.	07.02.2008
43	AJMER	ADLABS FILMS	28/08/2007
44	AJMER	KUSHAL GLOBAL	12.09.2007
45	AJMER	SYNERGY MEDIA	31.08.2007
46	AKOLA	M.B.P.L.	13.03.2008
47	ALIGARH	ADLABS FILMS	08.12.2006
48	ALLAHABAD	ADLABS FILMS	29.10.2007
49	ALLAHABAD	PAN INDIA	29.05.2008
50	ALLAHABAD	SOUTH ASIA	18.03.2008
51	AMRITSAR	ADLABS FILMS	01.08.2007
52	AMRITSAR	PAN INDIA	26.01.2008
53	AMRITSAR	RADIO TODAY BROADCASTING LTD	15.05.2008
54	AMRITSAR	SYNERGY MEDIA	27-7-2007
55	ASANSOL	ADLABS FILMS	29.06.2007
56	ASANSOL	SOUTH ASIA	03.06.2008
57	AURANGABAD	E.N.I.L.	24.07.2007
58	AURANGABAD	SOUTH ASIA	21.04.2008
59	BANGALORE	ADLABS FILMS	09.10.2006
60	BANGALORE	E.N.I.L.	17.04.2006
61	BANGALORE	H.T. MUSIC	06.03.2007
62	BANGALORE	INDIA RADIO VENTURES	01.10.2006
63	BANGALORE	KAL RADIO	06.11.2006
64	BANGALORE	M.B.P.L.	10.06.2001
65	BANGALORE	RADIO MID-DAY	01.08.2006
66	BAREILY	ADLABS FILMS	30.03.2007

Annexure 5.2 (Contd.)

S.No	City	Name of the Company	Date of Operationalisation
67	BAREILY	SHRI PURAN MULTIMEDIA	09.04.2007
68	BHOPAL	ADLABS FILMS	20.05.2007
69	BHOPAL	E.N.I.L.	26.05.2007
70	BHOPAL	SOUTH ASIA	06.11.2007
71	BHOPAL	SYNERGY MEDIA	26.05.2007
72	BHUBANESHWAR/ CUTTAK	ADLABS FILMS	14.04.2007
73	BHUBANESHWAR/ CUTTAK	EASTERN MEDIA	04.05.2007
74	BHUBANESHWAR/ CUTTAK	SOUTH ASIA	28.06.2007
75	BIKANER	ADLABS FILMS	19.01.2007
76	BILASPUR	SYNERGY MEDIA	27.09.2007
77	CHANDIGARH	ADLABS FILMS	12.02.2007
78	CHANDIGARH	SYNERGY MEDIA	19.02.2007
79	COCHIN	KAL RADIO	17.05.2008
80	COCHIN	MALAYALLA MANORAMA	18.05.2008
81	COCHIN	THE MATHRABHUMI	17.05.2008
82	COIMBATORE	E.N.I.L.	03.11.2007
83	COIMBATORE	M.B.P.L.	12.11.2007
84	COIMBATORE	MALAR PUBLICATIONS	29.10.2007
85	COIMBATORE	SUN TV	07.03.2003
86	DHULE	B.A.G. INFOTAINMENT	15.08.2007
87	GANGTOK	CHINAR CIRCUITS	10.08.2008
88	GANGTOK	PCM CEMENTS	31.01.2009
89	GORAKHPUR	SHRI PURAN MULTIMEDIA	03.06.2007
90	GULBERGA	KAL RADIO	02.06.2008
91	GUWAHATI	ADLABS FILMS	14.04.2007
92	GUWAHATI	POSITIVE RADIO	13.04.2007
93	GUWAHATI	PURVY BROADCASTING	09.10.2007
94	GUWAHATI	SOUTH ASIA	11.04.2008
95	GWALIOR	ADLABS FILMS	06.08.2007
96	GWALIOR	GWALIOR FARMS	04.08.2007
97	GWALIOR	ITM SOFTWARE	07.09.2007

Annexure 5.2 (Contd.)

S.No	City	Name of the Company	Date of Operationalisation
98	GWALIOR	SYNERGY MEDIA	06.08.2007
99	HISSAR	ADLABS FILMS	02.03.2007
100	HISSAR	B.A.G. INFOTAINMENT	18.06.2007
101	HISSAR	SHRI PURAN MULTIMEDIA	21.03.2007
102	HISSAR	SINGLA PROPERTY	17.03.2007
103	HYDERABAD	ADLABS FILMS	25.09.2006
104	HYDERABAD	E.N.I.L.	19.04.2006
105	HYDERABAD	KAL RADIO	06.11.2006
106	HYDERABAD	M.B.P.L.	30.05.2006
107	INDORE	ADLABS FILMS	03.08.2007
108	INDORE	E.N.I.L.	01.10.2001
109	INDORE	SOUTH ASIA	09.12.2007
110	INDORE	SYNERGY MEDIA	11.08.2007
111	ITANAGAR	POSITIVE RADIO	05.08.2008
112	JABALPUR	B.A.G. INFOTAINMENT	01.03.2008
113	JABALPUR	E.N.I.L.	15.02.2008
114	JABALPUR	SOUTH ASIA	19.03.2008
115	JABALPUR	SYNERGY MEDIA	15.02.2008
116	JAIPUR	E.N.I.L.	17.04.2006
117	JAIPUR	M.B.P.L.	08.09.2006
118	JAIPUR	RAJASTHAN PATRIKA	15.08.2006
119	JAIPUR	SOUTH ASIA	06.11.2006
120	JAIPUR	SYNERGY MEDIA	28.05.2006
121	JALANDHAR	ADLABS FILMS	14.04.2007
122	JALANDHAR	E.N.I.L.	24.04.2007
123	JALANDHAR	SHRI PURAN MULTIMEDIA	14.04.2007
124	JALANDHAR	SYNERGY MEDIA	19.04.2007
125	JALGOAN	B.A.G. INFOTAINMENT	22.04.2008
126	JALGOAN	M.B.P.L.	21.05.2008
127	JAMMU	ADLABS FILMS	07.12.2006
128	JAMSHED PUR	ADLABS FILMS	07.11.2007
129	JAMSHED PUR	SOUTH ASIA	13.04.2008
130	JAMSHED PUR	NEUTRAL PUBLICATION	18.07.2008
131	JHANSI	ADLABS FILMS	19.01.2007
132	JODHPUR	ADLABS FILMS	14.12.2007
133	JODHPUR	KUSHAL GLOBAL	14.12.2007

Annexure 5.2 (Contd.)

S.No	City	Name of the Company	Date of Operationalisation
134	JODHPUR	RADIO TODAY BROADCASTING LTD	01.06.2008
135	JODHPUR	SYNERGY MEDIA	20.12.2007
136	KANNUR	ASIANET COMMUNICATION	13.01.2008
137	KANNUR	KAL RADIO	12.03.2008
138	KANNUR	MALAYALLA MANORAMA	30.12.2007
139	KANNUR	THE MATHRABHUMI	30.12.2007
140	KANPUR	ADLABS FILMS	14.06.2007
141	KANPUR	E.N.I.L.	16.06.2007
142	KANPUR	SOUTH ASIA	28.01.2008
143	KARNAL	B.A.G. INFOTAINMENT	18.06.2007
144	KARNAL	SHRI PURAN MULTIMEDIA	02.04.2007
145	KOLHAPUR	E.N.I.L.	18.09.2007
146	KOLHAPUR	PUDHARI PUBLICATION	21.09.2007
147	KOLKATA	RADIO MID-DAY	12.12.2008
148	KOTA	ADLABS FILMS	21.01.2008
149	KOTA	RAJASTHAN PATRIKA	25.02.2008
150	KOTA	SYNERGY MEDIA	02.02.2008
151	KOZIKODE	KAL RADIO	07.12.2007
152	KOZIKODE	MALAYALLA MANORAMA	29.11.2007
153	LUCKNOW	E.N.I.L.	13.08.2007
154	LUCKNOW	M.B.P.L.	10.12.2001
155	LUCKNOW	SOUTH ASIA	06.11.2007
156	MADURAI	E.N.I.L.	28-09.2007
157	MADURAI	KAL RADIO	05.10.2007
158	MADURAI	MALAR PUBLICATIONS	01.10.2007
159	MANGALORE	ADLABS FILMS	24.11.2007
160	MANGALORE	E.N.I.L.	24.11.2007
161	MANGALORE	KAL RADIO	21.02.2008
162	MUZAFFARPUR	B.A.G. INFOTAINMENT	01.08.2007
163	MYSORE	ADLABS FILMS	14.10.2007
164	MYSORE	KAL RADIO	07.12.2007
165	NAGPUR	E.N.I.L.	18.10.2007

Annexure 5.2 (Contd.)

S.No	City	Name of the Company	Date of Operationalisation
166	NAGPUR	M.B.P.L.	21.10.2007
167	NAGPUR	SOUTH ASIA	04.05.2008
168	NAGPUR	SYNERGY MEDIA	21.10.2007
169	NANDED	M.B.P.L.	15.05.2008
170	NASIK	E.N.I.L.	06.07.2007
171	NASIK	SOUTH ASIA	16.04.2008
172	PANAJI	ADLABS FILMS	22.05.2007
173	PANAJI	E.N.I.L.	22.05.2007
174	PANAJI	INDIA RADIO VENTURES	25.06.2007
175	PATIALA	ADLABS FILMS	01.08.2007
176	PATIALA	B.A.G. INFOTAINMENT	18.06.2007
177	PATIALA	PAN INDIA	26.01.2008
178	PATIALA	RADIO TODAY BROADCASTING LTD	01.06.2008
179	PATNA	E.N.I.L.	02.04.2007
180	PONDICHERRY	ADLABS FILMS	01.12.2007
181	PONDICHERRY	KAL RADIO	20.12.2007
182	PONDICHERRY	MALAR PUBLICATIONS	22.12.2007
183	PUNE	E.N.I.L.	18.10.2002
184	PUNE	M.B.P.L.	06.04.2008
185	PUNE	RADIO MID-DAY	12.05.2008
186	PUNE	SOUTH ASIA	22.07.2008
187	RACHI	ADLABS FILMS	24.10.2007
188	RACHI	B.A.G. INFOTAINMENT	15.11.2007
189	RACHI	SHRI PURAN MULTIMEDIA	27.10.2007
190	RACHI	NEUTRAL PUBLICATION	18.07.2008
191	RAIPUR	E.N.I.L.	11.01.2008
192	RAIPUR	RAJASTHAN PATRIKA	10.02.2009
193	RAIPUR	RANEKA FINCOM	15.01.2008
194	RAIPUR	SYNERGY MEDIA	16.01.2008
195	RAJAHMUNDRY	KAL RADIO	19.01.2008
196	RAJKOT	ADLABS FILMS	13.06.2007
197	RAJKOT	E.N.I.L.	13.06.2007
198	RAJKOT	SOUTH ASIA	18.04.2008
199	ROURKELA	ADLABS FILMS	06.01.2008

Annexure 5.2 (Contd.)

S.No	City	Name of the Company	Date of Operationalisation
200	ROURKELA	EASTERN MEDIA	22.01.2008
201	SANGLI	M.B.P.L.	08.02.2008
202	SHILONG	POSITIVE RADIO	16.10.2007
203	SHILONG	SOUTH ASIA	13.06.2008
204	SHOLAPUR	ADLABS FILMS	08.11.2007
205	SHOLAPUR	M.B.P.L.	14.11.2007
206	SILIGURI	CHINAR CIRCUITS	12.03.2008
207	SILIGURI	PCM CEMENTS	14.11.2007
208	SILIGURI	SYNTECH INFORMATICS	24.11.2007
209	SILIGURI	SOUTH ASIA	25.10.2008
210	SRI-NAGAR	ADLABS FILMS	10.12.2006
211	SURAT	ADLABS FILMS	29.08.2007
212	SURAT	E.N.I.L.	21.08.2007
213	SURAT	SYNERGY MEDIA	27.08.2007
214	SURAT	M.B.P.L.	22.08.2007
215	THIRUVANANTHA PURAM	ADLABS FILMS	29.01.2008
216	THIRUVANANTHA PURAM	E.N.I.L.	29.01.2008
217	THIRUVANANTHA PURAM	KAL RADIO	06.02.2008
218	THIRUVANANTHA PURAM	THE MATHRABHUMI	29.01.2008
219	THRISSUR	ASIANET COMMUNICATION	23.12.2007
220	THRISSUR	KAL RADIO	26.12.2007
221	THRISSUR	MALAYALLA MANORAMA	14.12.2007
222	THRISSUR	THE MATHRABHUMI	14.12.2007
223	TIRUCHI	KAL RADIO	17.01.2008
224	TIRUCHI	MALAR PUBLICATIONS	14.01.2008
225	TIRUNELVELI	MALAR PUBLICATIONS	13.10.2007
226	TIRUNELVELI	SUN TV	07.03.2003
227	TIRUPATI	ADLABS FILMS	01.08.2007
228	TIRUPATI	KAL RADIO	27.08.2007
229	TUTICORIN	KAL RADIO	05.10.2007

Annexure 5.2 (Contd.)

S.No	City	Name of the Company	Date of Operationalisation
230	TUTICORIN	MALAR PUBLICATIONS	15.10.2007
231	UDAIPUR	ADLABS FILMS	03.08.2007
232	UDAIPUR	RAJASTHAN PATRIKA	27.08.2007
233	UDAIPUR	SYNERGY MEDIA	07.07.2007
234	VADODARA	ADLABS FILMS	05.06.2007
235	VADODARA	E.N.I.L.	05.06.2007
236	VADODARA	M.B.P.L.	11.06.2007
237	VADODARA	SOUTH ASIA	17.04.2008
238	VARANASI	E.N.I.L.	14.07.2007
239	VARANASI	PAN INDIA	29.05.2008
240	VARANASI	SHRI PURAN MULTIMEDIA	20.07.2007
241	VARANASI	SOUTH ASIA	29.12.2007
242	VIJAYWADA	E.N.I.L.	11.12.2007
243	VIJAYWADA	KAL RADIO	25.12.2007
244	VISHAKAPATNAM	ADLABS FILMS	27.10.2007
245	VISHAKAPATNAM	E.N.I.L.	26.10.2007
246	VISHAKAPATNAM	M.B.P.L.	29.10.2007
247	VISHAKAPATNAM	UDAYA TV	06.02.2003
248	WARANGAL	KAL RADIO	28.05.2008

Source: Website of Ministry of Information & Broadcasting as on 31.12.2009

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-19, Sector-16A, Film City,
Noida-201301
Tel: 91-120-2511064-78
Fax: 91-120-2511186

- 3. SUN Direct TV(P) Ltd.**
4/1017, 3rd Cross Street, 9th Link, Nehru Nagar,
Kottivakkam, Chennai-600 041
Tel: 044-4341 1434
Fax: 044-4341 1010

- 4. Bharti Telemedia Ltd.**
Unitech World Cyber Park
Tower-B, 8th Floor
Sector -39, Gurgaon – 122 001
Tel: 95124-424 4000
Fax: 95124-424 4282

- 5. Reliance Big TV Pvt. Ltd.**
BHQ, 4th Floor,
Dhirubai Ambani Knowledge City
Navi Mumbai- 400 710
Fax: 022-3037 1099

- 6. M/s Bharat Business Channel Ltd.**
12th Floor, Videocon Tower
Block E-1, Jhandewalan Extension
New Delhi – 110 055
Tel: 41593100/41593114
Fax; 41593150

Annexure 5.4: List of companies permitted by Ministry of I&B to set up teleports at various locations in India

[As on 31/12/2009]

S.No	City	Name of the Company
1	New Delhi	M/s TV Today Network Limited
2	Greater Noida	M/s Jain Studios Limited
3	Chennai	M/s Sun TV Network Limited
4	Mumbai	M/s Entertainment Television Network Limited
5	Hyderabad	M/s Ushodaya Enterprises Limited
6	NOIDA, Mumbai, Aroor (Kerala)	M/s Essel Shyam Communications Limited
7	Thiruvananthapuram (Kerala)	M/s Asianet Communications Limited
8	NOIDA	M/s Sahara Sanchar Limited
9	New Delhi, Mumbai, NOIDA	M/s Television Eighteen India Limited
10	New Delhi	M/s New Delhi Television Limited
11	Kochi (Kerala)	M/s Indiavision Satellite Communications Ltd
12	Greater Noida	M/s Noida Software Technology Park Ltd
13	NOIDA	M/s DISH TV
14	Guwahati, Noida	M/s Positiv Television Private Ltd
15	Mumbai	M/s Channel Guide India Ltd
16	Chennai	M/s Coxswain Technologies Limited
17	NOIDA	M/s Independent News Service Pvt Limited
18	Gurgaon, Kolkata, Chennai, Hyderabad, Noida	M/s Indiasign Private Limited
19	Hyderabad	M/s Associated Broadcasting Co Private Limited
20	Bhopal	M/s A V Entertainment Private Limited
21	Thiruvananthapuram	M/s Amrita Enterprises Private Limited
22	Chennai	M/s Mavis Satcom Limited
23	New Delhi, Mumbai, Chennai, Kolkata, Cochin, Chennai	M/s Videsh Sanchar Nigam Ltd
24	Mumbai	M/s Lamhas Satellite Services Limited
25	Thiruvananthapuram	M/s Malayalam Communications Limited
26	Mumbai	M/s Sanskar Info TV Private Limited
27	Mumbai	M/s Bennett, Coleman & Co Limited
28	New Delhi	M/s Senior Media Limited
29	Ahmedabad	M/s Lok Prakashan Limited
30	Kolkata	M/s Calcutta Television Network Pvt Ltd
31	Rajpura (Punjab)	M/s Kohinoor Broadcasting Corpn Ltd

Annexure 5.4 (Contd.)

S.No	City	Name of the Company
32	Bhubaneshwar	M/s Kamyab TV Private Limited
33	Bangalore	M/s Kasthuri Media's Private Limited
34	Kolkata	M/s SST Media Private Limited
35	Alapuzza	M/s MM TV Limited
36	Hyderabad	M/s IN Cablenet (Andhra) Limited
37	Hyderabad	M/s Indira Television Limited
38	New Delhi	M/s Tata Sky Limited
39	NOIDA	M/s Media Content & Communications Services (India) Private Limited
40	Bangalore	M/s Satish Sugars Limited
41	Delhi	M/s MH One TV Network Limited
42	New Delhi	M/s S TV Enterprises Limited
43	Surat	M/s AIRR X Media Limited
44	New Delhi	M/s Broadcast Equipment (India) Private Ltd
45	Hyderabad	M/s Winning Edge Communications Limited
46	Hyderabad	M/s Rachna Television Private Limited
47	Bhubneshwar	M/s Ortel Communications Limited
48	Hyderabad	M/s Sowbhagya Exports Limited
49	NOIDA	M/s Pragya Vision Private Limited
50	Guwahati	M/s Brahmaputra Tele-Productions Pvt Limited
51	New Delhi	M/s G-Next Media Private Limited
52	Bhubaneshwar	M/s Eastern Media Limited
53	Jaipur	M/s Rajasthan Patrika Private Limited
54	Guwahati	M/s Pride East Entertainment Private Limited
55	New Delhi	M/s Vintage Studio Private Limited
56	NOIDA	M/s Skyline TeleMedia Private Limited
57	NOIDA	M/s Information TV Private Limited
58	Mumbai	M/s Unilazer Export & Management Consultants Limited
59	Hyderabad	M/s Comsat Systems Private Limited
60	Trupati	Sri Venkateswara Bhakti Channel Pvt Limited
61	NOIDA	Bharati Teleport Limited

Source: Ministry of Information & Broadcasting