

Telecom Regulatory Authority of India

The Indian Telecom Services Performance Indicators January– March 2008

June 2008

TRAI

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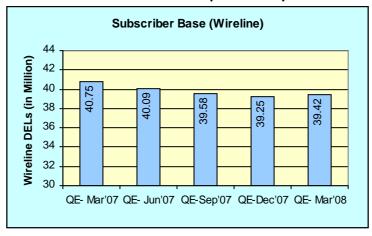
INTRODUCTION

- 1.1 This report presents the growth trends for the telecom services in India for the quarter ending March 2008. This report provides a broad perspective on the Telecom Services to serve as a reference document for various stakeholders, research agencies and analysts. Under the Unified Access Service (UAS) Regime, the details of subscriber base under wireless services combine both GSM & CDMA (WLL(F) + WLL(M)) technologies. The Executive Summary of various Telecom Services has been given in the beginning followed by 'Performance Indicators at a Glance' showing the growth pattern of Wireline, Wireless, Internet and Broadband services in the first four chapters. Chapter Five includes OoS performance analysis of various service providers. Chapter Six is on performance of Cable TV, DTH & Radio Broad cast services. Financial details of telecom service sector is given in Chapter Seven.
- 1.2 The report has been compiled on the basis of information received from various telecom service providers. TRAI collects performance based data from various service providers on quarterly basis to monitor the growth trends in the telecom sector.
- 1.3 This performance indicator report is also available on TRAI's website (http://www.trai.gov.in/Reports_list_year.asp). Any suggestion pertaining to this may please be addressed to S. K. Gupta, Advisor (CN), TRAI; Tel. +91-11-23217914, Fax. +91-11-23211998 and e-mail: skgupta@trai.gov.in or guptask61@gmail.com

EXECUTIVE SUMMARY

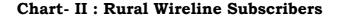
A. Wireline Services

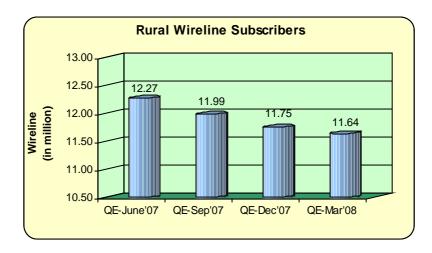
Wireline services subscriber base stood at 39.42 million in quarter ending March 2008 as compared to 39.25 million in quarter ending December 2007





Rural Wireline Subscriber base stood at 11.64 million in quarter ending March 2008 as compared to 11.75 million in quarter ending December 2007.





Number of VPTs has increased from 5.30 lakhs in quarter ending December 2007 to 5.60 lakhs in quarter ending March 2008.

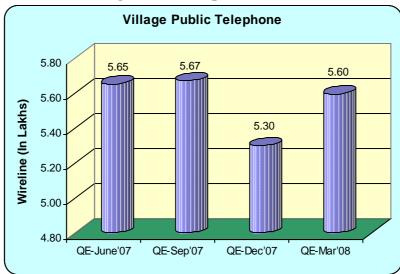
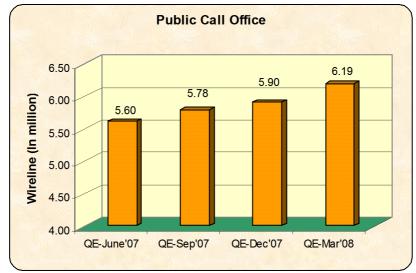


Chart –III : Village Public Telephone

Number of Public Call Offices (PCOs) has increased from 5.90 million in quarter ending December 2007 to 6.19 million in quarter ending March 2008.

Chart –IV : Public Call Office



B. Wireless Services

The Wireless subscribers have reached to 261.07 million as on 31^{st} March 2008 as against 233.62 million subscribers in the previous quarter. During this quarter 27.45 million subscribers were added.

(i) Subscriber Growth/Market Share

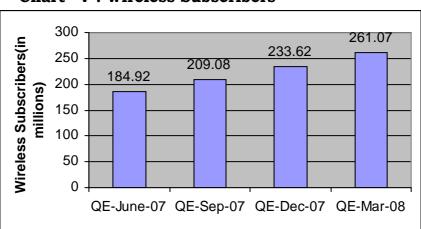
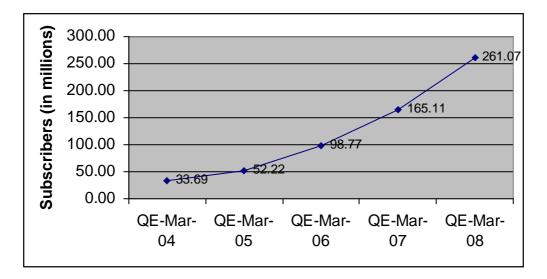


Chart -V : Wireless Subscribers





Technology-wise Wireless Market Share

There are 192.70 million GSM subscribers (73.81%) and 68.37 million CDMA subscribers (26.19%) at the end of March 2008.

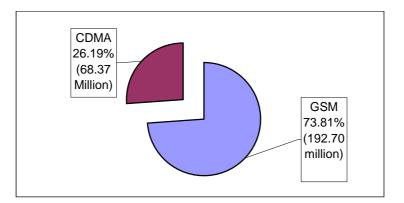
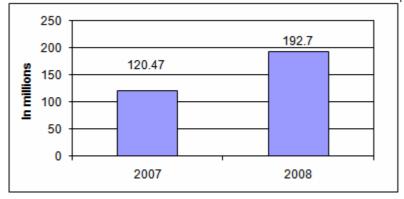


Chart -VII : Technology wise Wireless Market Share

(ii) GSM

GSM Subscribers recorded 59.96% growth du ring the year and reached subscriber base of 192.70 million at the end of March 2008.

Chart -VIII : GSM Subscriber Growth (F/Y Ending in million)



CDMA subscribers recorded a growth of 53.16% during the year and reached subscriber base of 68.37 million.

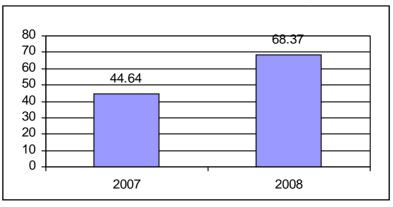


Chart - IX : CDMA Subscriber Growth(F/Y ending)

(iv) Average Revenue Per User (ARPU), Minutes of Usage (MoU) etc.

- (a) GSM Full Mobility Service
 - The all India blended ARPU per month for the GSM segment has increased by 1.15% from Rs. 261 in Dec-07 to Rs. 264 in Mar-08. This increase is result of steep increase in ARPU in category "A" Circle (5.9%).
 - ARPU for postpaid service has shown an increase of 1.59% from Rs. 628 in Dec-07 to Rs. 638 in Mar-08. Prepaid service has shown a higher growth rate in ARPU of 2.3% from Rs. 219 in Dec-07 to Rs. 224 in Mar-08.
 - MOU per subscriber has increased from 464 in Dec -07 to 493 in Mar-08, thereby showing an increase of 6.25% as against 0.46% in quarter ending Dec-07.
 - Both, outgoing and incoming MOUs have grown, higher growth being in outgoing MOUs (7.04%). Incoming MOUs have grown by 5.49%. Individually, both for postpaid and prepaid, Metros continue to have lowest outgoing MOU per subscriber as compared to other circle categories.
 - Overall ratio of incoming-outgoing MOUs has been 52:48 for GSM services. For postpaid, ratio of incoming-outgoing minutes is 46:54 and for prepaid segment, it is 54:46.
 - As per the revenue reports furnished by the service providers, revenue net of "pass through", is Rs. 14,329 Crores in the quarter ending Mar-08 as against Rs. 12,738 Crores in the Dec-07 quarter, thereby showing a growth of 12.5%.

- Tamil Nadu continues to be the circle with lowest ARPU (Rs.216/ -) and highest MOU (557) per subscriber in Category 'A' circle.
- Karnataka continues to be highest ARPU generating circle among Category 'A' circle service areas.

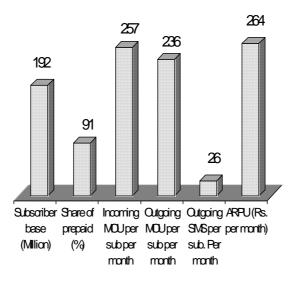


Chart- X : Key Indicators for GSM

Chart -XI : Variation in Key Indicators over Last Quarter

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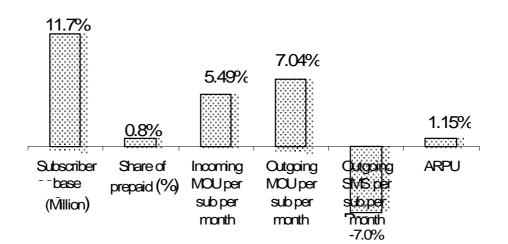
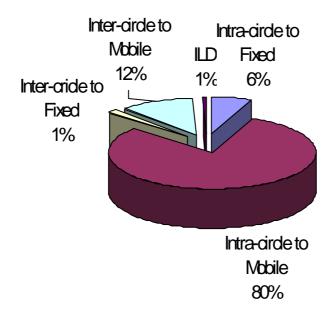


Chart- XII : GSM Originated Traffic - distribution by terminating network



(b) CDMA (Full Mobility)

- All India blended ARPU (per month) for the quarter ending March 2008 is Rs. 159/- as compared to Rs. 176/- for the quarter ending December 2007 registering a decrease of 9.65%.
- The lowest blended ARPU per month is in U P West (Rs.117/ -) while the highest blended ARPU is in Mumbai (Rs. 228/ -).
- All India Total Blended MOU per subscriber per month has shown a decline from 375 minutes for the quarter ending December 2007 to 364 minutes for the quarter ending March 2008. The highest MOUs are recorded in Andhra Pradesh circle at 492 per subscriber per month, which is 35.2% higher than the all India figure. The lowest MOUs have been reported in Punjab Circle at 262, which is 39% lower than the all India figure.
- According to the revenue reports submitted by the service providers, revenue net of "pass through", from CDMA full mobility service is Rs. 2410.00 Crores for the quarter ending March 2008 which was 2381.01 Crores for the quarter ending December 2007, thereby showing a growth of 1.21%.

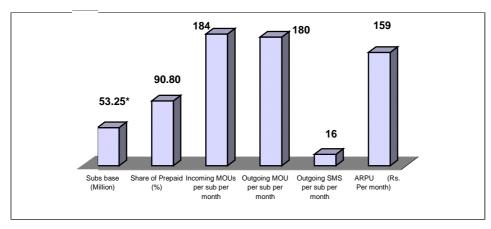
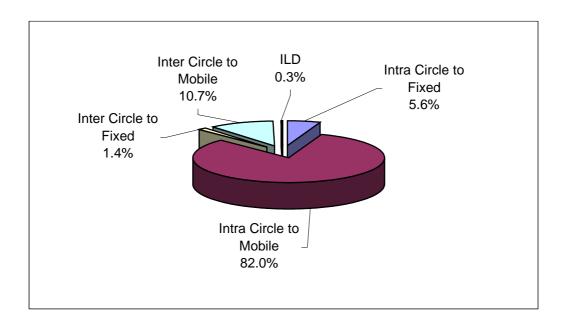


Chart - XIII : Key Indicators for CDMA

* Does not include WLL (F) & WLL (M) subscribers

Chart – XIV : CDMA Originated Traffic - distribution by terminating network



C. Internet Services

There are 11.09 million Internet subscribers approximately at the end of March 2008 as compared to 10.36 million at the end of December 2007 registering a growth of 7.08%. This growth rate is slightly less than the growth rate of 7.64% at the end of December 2007.

Besides above, there are 66.09 million wireless data subscribers at the end of March 2008 (capable of accessing data services including internet through mobile handsets (GSM/ CDMA)).

The key indicators for Internet Services are presented in bar charts XV & XVI.

i) Internet Subscribers Growth - There are 11.09 million wireline Internet Subscribers at the end of March 2008.

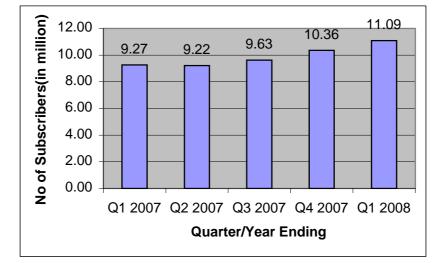
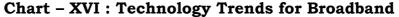
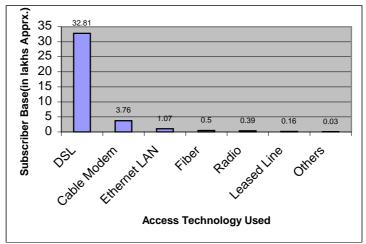


Chart -XV : Internet Subscriber Base

- ii) Broadband Subscriber Growth The number of Broadband subscribers (with a download speed of 256 Kbps or more) was 3.87 million at the end of March 2008 as compared to 3.13 million at the end of December 2007. The growth rate of broadband subscribers in this quarter is 23.64%.
- iii) Broadband Subscribers Share (Technology wise) Out of these 3.87 million broadband subscribers, 3.28 million are DSL based; 0.37 million Cable Modem; 0.11 million Ethernet LAN; 0.05 million Fibre; 0.039 million Radio, Leased Line 0.016 million and 0.003 million use other technologies.





D. Quality of Service Performance

(a) Wireline Services

This report covers 78 licenses providing basic services. In this quarter the performance of the Basic Service Providers have improved as compared to the previous quarter in respect of parameters like Faults incidences, Mean Time to Repair (MTTR), Call Completion Rate, Metering & Billing credibility, Customer Care Services (Closures, Additional Facilities), Response time to the customer for assistance - %age of calls answered by operator (Voice to voice) and Time Taken to Refund the deposits.

However, the performance of Basic Service Providers have deteriorated in this quarter, as compared to the previous quarter, in respect to parameters like Provision of Telephones, Faults repaired by next working day and Grade of Service.

The performance of the Basic Service Providers remained at same level as compared to the previous quarter in respect of the parameter like Customer Care Services (Shifts), Response time to the customer for assistance - %age of calls answered Electronically.

The summary of performance of the service providers who have not met the benchmarks in this quarter as compared to previous quarter is given in the table -1.

			No. o	f operators : bench		ng the	
Sr. No.	Parameters	Benchmark	Dec,	2007	Mar, 2008		
			Out of 78 In Nos	Out of 78 In %age	Out of 78 In Nos	Out of 78 In %age	
1.	Provision of Telephones after registration of demand	100% within 7 Days	57	73.08%	65	83.33%	
2	Fault incidences per 100 subs/month	<5%	27	34.62%	25	32.05%	
3	Fault repaired by next working day	>90%	16	20.51%	18	23.08%	
4	MTTR	<8Hrs	27	34.62%	25	32.05%	
5	Grade of Service (Junction between local exchange)	2/1000	1	1. 28 %	2	2.56%	
6	Call Completion Rate (in local network)	>55%	9	11.54%	7	8.97%	
7	Metering & billing credibility - % of bills	<0.1%	8	10.26%	5	6.41%	
8	Customer Care Service (95% of requests)						
(i)	Shifts	<3 Days	21	26.92%	21	26.92 %	
(ii)	Closures	<24 hrs.	18	23.08%	7	8.97 %	
(iii)	Additional Facilities	<24 hrs.	17	21.79%	15	19.23%	
9	Response time to the customer for assistance						
(i)	%age of calls answered (electronically)						
	Within 20 sec = 80%	80%	1	1.28%	1	1.28%	
	within 40 sec = 95%	95%	1	1.28%	1	1.28%	
(ii)	%age of calls answered by operator (voice to voice)						
	Within 60 sec = 80%	80%	9	11.54%	1	1.28%	
	within 90 sec = 95%	95%	18	23.08%	9	11.54%	
10.	Time taken for refund of deposits after closures	100% within 60 days	17	21.79%	8	10.26%	

Table 1: Summary of Performance of Service Providers

(b) Wireless Service

This report covers performance of 93 GSM Cellular Mobile Licensees and 44 CDMA service Licensees vis-à-vis the QoS benchmarks prescribed by TRAI. All Cellular Mobile Service Providers have achieved prescribed TRAI benchmark in respect of the following parameters:-

- 1. Accumulated down time of Community isolation
- 2. Service Acess Delay
- 3. Call Drop Rate
- 4. %age of Connections with good voice quality
- 5. Response time to the customer for assistance

The performance has improved in this quarter as compared to the previous quarter in respect of the parameter like accumulated down time of Community isolation, Service access Delay, %age of Connections with good voice quality, Response time to the customer for assistance and % of Complaints resolved within 4 weeks.

The performance has deteriorated in this quarter as compared to the previous quarter related to the parameters as Call Set-Up Success Rate (Within Licensee's Own network), Blocked Call rate (SDCCH/paging channel congestion and TCH congestion), Complaints per 100 bills issued and Period of all refunds/payment due to customers from the date of resolution of complaints.

The performance of the Cellular Mobile Service Providers remained at same level as compared to the previous quarter in respect of the parameter of Call Drop Rate, Response time to the customer for assistance - %age of calls answered electronically within 20 seconds.

			No. Of Operators Not Meeting The Benchmarks				
Sr.No.	Parameters	Bench- Marks	Quarter Dec. 2	-	Quarter Ending March, 2008		
			Out Of 135 (Nos.)	Out Of 135 (in %)	Out Of 134* (Nos.)	Out Of 134* (in %)	
1	Accumulated down time of Community isolation	<24 hrs	1	0.74%	0	0.00%	
2	Call Set-Up Success Rate (Within Licensee's Own network)	>95%	1	0.74%	2	1.49%	

The comparative statement of the key parameters is given in the table 2:-

3	Service access delay	<15 Sec	2	1.48%	0	0.00%
4	Blockedcallrate(i)SDCCH/pagingchannelcongestioncongestion	<1%	5	3.70%	9	6.72%
	(li) TCH Congestion	<2%	7	5.18%	12	8.96%
5	Call drop rate	<3.0%	0	0.00%	0	0.00%
6	%age of Connections with good voice quality	>95%	5	3.70%	0	0.00%
7	Response time to the customer for assistance%age of calls answered (electronically) within 20 seconds = 80%	80%	0	0.00%	0	0.00%
(i)	%Age of calls answered (electronically) within 40 seconds = 95%	95%	2	1.48%	0	0.00%
(ii)	%Age of calls answered by operator (voice to voice); within 60 seconds = 80%	80%	29	21.46%	22	16.42%
(iii)	%Age of calls answered by operator (voice to voice); within 90 seconds = 95%	95%	61	45.80%	52	38.81%
8	Complaints per 100 bills issued	<0 .1%	2	1.48%	6	4.48%
9	% Of complaints resolved with 4 weeks	100%	2	1.48%	1	0.75%
10	Period of all Refunds/Payment due to Customers from the date of resolution of complaints As In (9) above	<4 Weeks	0	0.00%	1	0.75%

NOTE : * M/s Bharti Airtel has submitted a combined PMR for TN & Chennai as the License of M/s Bharti Airtel Chennai circle has been merged with Tamilnadu circle. The Licence of M/s Reliable Internet Service has been merged with Reliance Telecom L td, Kolkata. So, total no. of Licensees providing PMR is 134.

(c) Broadband Service

Broadband Regulations came into force with effect from 1 st Jan 2007. Total number of the Broadband Service providers was 72 in quarter ending December, 2007. No new service provider is added in this quarter .Total number of subscriber base of all the Broadband service providers is 3872348 in quarter ending March, 2008.

This report covers performance of 13 broadband Service Providers vis-à-vis the QoS benchmarks prescribed by TRAI.

E. Broadcasting and Cable Services

• Based on the data received from various Multi System Operators (MSOs) across the country, the maximum number of Free-to-Air (FTA) Channels being carried in the cable networks are 133. Out of 114 pay channels as reported by 17 broadcasters/their distributors at the end of Quarter of March 2008, maximum 94 pay channels are being carried in a cable network.

• Apart from All India Radio, there were 205 FM Radio station in operation as on March 31, 2008. During the quarter ending March 2008, 28 new private FM radio stations came into operation.

• No DTH license was issued during the quarter ending March 2008. Therefore, at present, apart from free to air DTH service of Doordarshan, there are 6 private DTH licensees. Out of these 6 licensees, 3 licensees are offering pay DTH services to the customers as on 31.03.2008, while others are in the process of rolling out their services.

• There were 47 Community Radio Station licensee and out of these, 28 were operational in the quarter ending December 2007. In the Quarter Ending March, 2008, 2 new licenses were issued and 7 new Community Radio Stations became operational. Now, at the end of March, 2008, out of 49 licensees of community radio stations, 35 stations are in operation.

• At the end of quarter December, 2007, there were 572706 number of set top boxes (STBs) installed in the CAS notified areas of Delhi, Mumbai, Kolkata and Chennai. Now, at the quarter ending March 2008, the STB number has increased to 607883 in the CAS notified areas of Delhi, Mumbai, Kolkata and Chennai registering a growth of 6.14%.

• During this quarter, M/s Star India Private Limited has informed that they have appointed M/s STAR DEN Media Services Private Limited ("STAR DEN") from February 2008 as the distributor of their channels.

• During this quarter, M/s Set Discovery India Private Limited has informed that they have changed their name from M/s Set Discovery India Private Limited to M/s MSM Discovery India Private Limited. • During this quarter, M/s Sahara India Private Limited have informed that they have appointed 'M/s Mega Reach' as the distributor of their channels.

F. Financial Details of the Telecom Network:

• The total revenue for the whole financial year (Apr'07 – Mar'08) was Rs.1,29,083/ - Crores.

• The total revenue for IVth Quarter (January - March 2008) of 2007-08 was Rs.35,770 Crores thereby showing a growth of 8.21%.

• The total revenue of the public sector operators for the IVth Quarter of 2007-08 was Rs.12233 showing a growth of 13.38%.

• The revenue contribution from the public sector operators for IVth Quarter of 2007-08 was 34%.

• The total revenue contribution from the private sector operators for IVth Quarter of 2007-08 was Rs. 23,537 Crores showing a growth of 5.71%.

• The revenue contribution from the private sector operators for IVth Quarter of 2007-08 was 66%.

• The Adjusted Gross Revenue (AGR) of the Telecom Services Sector for the IVth Quarter of 2007-08 was Rs.27,845 Crores there by showing a growth of 7.48%.

• The AGR of the public sector operators for the IVth Quarter of 2007-08 was Rs.10,417 crores showing a growth of 6.19%. The AGR share of public sector operators for the IVth Quarter of 2007-08 was 38%.

• The AGR contribution from the private sector operators for the IVth Quarter of 2007-08 was Rs.17,427 crores showing a growth of 8.28%.

• The AGR share of private sector operators for the IVth Quarter of 2007-08 was 62%.

G. Performance Indicators at a Glance for Quarter ending 31st March 2008

1) Subscriber' s Base (in million)	QE Mar 2007	QE Jun 2007	QE Sep 2007	QE Dec 2007	QE Mar 2008	%age growth over Mar 2007 (12 months)	%age growth over Jun 2007 (9 months)	%age growth over Sep 2007 (6 months)	%age growth over Dec 2007 (3 months)
i) Wireline	40.75	40.09	39.58	39.25	39.42	-3.26	-1.70	-0.40	0.43
ii) Wireless	165.11	184.92	209.07	233.62		58.12	41.18		11.75
Gross Total	205.86	225.01	248.65		300.49	45.96	33.54		10.12
2) Traffic (MO	U) (minu	tes of us	e/ sub/n	10nth)					
Wireless	1							1	
i) GSM	471	476	462	464	493	4.67	3.57	6.71	6.25
ii) CDMA	471	462	413	375	364	-22.72	-21.21	-11.86	-2.93
3) ARPU (Rs./ Wireless	sub/ moi	111)							
i) GSM	298	297	275	261	264	-11.41	-11.11	-4.00	1.15
ii) CDMA	202	206	173	176	159	-21.29	-22.82	-8.09	-9.66
4) Teledensity									
Population in million (Estimated)	1129	1133	1137	1143	1146				
i) Wireline	3.61	3.54	3.48	3.43	3.44	-4.71	-2.83	-1.16	0.29
ii) Wireless	14.62	16.32	18.39	20.44	22.78	55.82	39.59	23.88	11.45
Gross Total	18.23	19.86	21.87	23.87	26.22	43.83	32.03	19.89	9.85

A. Growth of Wireline & Wireless Services: -

B. Growth of Internet & Broadband Services: -

	QE Mar 2007	QE Jun 2007	QE Sep 2007	QE Dec 2007	QE Mar 2008	%age growth over Mar 2007 (12 months)	%age growth over Jun 2007 (9 months)	%age growth over Sep 2007 (6 months)	%age growth over Dec 2007 (3 months)
1) Subscriber's Base (in million)									
i) Internet	9.27	9.22	9.63	10.36	11.09	19.63	20.28	15.16	7.05
ii) Wireless Internet *	31.30	38.02	46.37	57.83	65.50	109.26	72.28	41.26	13.26
ii) Broadband Connections (>=256 Kbps download speed)	2.34	2.42	2.67	3.13	3.87	65.38	59.79	44.94	23.64
2) Minutes of Use (Dialup Internet) (MOU/ subs/month)	180	195		210	220				
3) ARPU (Dialup Internet) (Rs/subs/month)	200	203	200	210	220	10.00	8.37	10.00	4.76

* Accessing Internet through wireless (GSM & CDMA) networks

%age Growth figures are calculated by rounding the actual figures to nearest million. These may vary with values given in the subsequent chapters of this report.

C. Performance of service providers during the quarter: - (I) Wireline Subscribers Base(in Million)

1) Wireline Service Providers	QE Mar 2007	QE Jun 2007	QE Sep 2007	QE Dec 2007	QE Mar 2008	%age growth over Mar 2007 (12months)	%age growth over Jun 2007 (9 months)	%age growth over Sep 2007 (6 months)	%age growth over Dec 2007 (3 months)
BSNL	33.74	32.91	32.22	31.71	31.55	-6.49	-4.13	-2.08	-0.50
MTNL	3.73	3.67	3.63	3.60	3.68	-1.21	0.27	1.38	2.22
Bharti	1.87	1. 97	2.08	2.18	2.28	21.84	15.74	9.62	4.59
Reliance	0.57	0.64	0.70	0.78	0.87	53.17	35.94	24.29	11.54
Tata/ Hughes	0.527	0.58	0.63	0.67	0.72	36.62	24.14	14.29	7.46
HFCL	0.17	0.16	0.16	0.15	0.15	-10.71	-6.25	-6.25	0.00
Shyam	0.15	0.16	0.16	0.16	0.16	3.90	0.00	0.00	0.00
Total	40.75	40.09	39.58	39.25	39.42	-3.30	-1.70	-0.43	0.42

(II) Wireless Subscriber Base (in Million)

Service Providers	QE Mar 2007	QE Jun 2007	QE Sep 2007	QE Dec 2007	QE Mar 2008	%age growth over Mar 2007 (12 months)	%age growth over Jun 2007 (9 months)	%age growth over Sep 2007 (6 months)	%age growth over Dec 2007 (3months)
Bharti	37.14	42.70	48.88	55.16	61.98	66.88	45.15	14.45	14.45
Reliance	28.01	31.88	36.32	40.96	45.79	63.48	43.63	13. 9 4	13. 94
Vodofone	26.44	30.75	35.66	39.86	44.13	66.91	43.51	15.95	15.95
BSNL	30.98	32.05	34.13	36.81	40.79	31.67	27.27	6.48	6.48
Tata Tele	16.02	17.32	19.50	21.74	24.33	51.87	40.47	12.53	12.53
Idea	14.01	16.13	18.67	21.05	24.00	71.27	48.79	15.78	15.78
Aircel	5.51	6.77	8.04	9.43	10.61	92.56	56.72	18.67	18.67
Spice	2.73	3.17	3.48	3.80	4.21	54.21	32.81	9.82	9.82
MTNL	2.94	2.81	2.99	3.20	3.53	20.07	25.62	6.72	6.72
BPL	1.07	1.09	1.15	1.24	1.29	20.22	18.35	6.01	6.01
HFCL	0.15	0.15	0.15	0.25	0.30	100.00	100.00	1.61	1.61
Shyam	0.10	0.10	0.10	0.10	0.11	10.00	10.00	2.26	2.26
Total	165.11	184.92	209.07	233.62	261.07	58.12	41.18	24.87	11.76

CHAPTER ONE

PERFORMANCE OF WIRELINE SERVICES

1.1 Subscribers Base: -

1.1.1 The Wireline services were provided by 5 licensed private operators in addition to incumbents BSNL and MTNL as on 31st March 2008. List of Wireline Service providers along with their areas of operation is given in the following Table.

S1. 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(included Chennai circle), UP-East, UP-West (including Uttaranchal) and West Bengal.
4	Tata Teleservices (Maharashtra) Ltd.	Maharashtra, Mumbai
5	Tata Teleservices Ltd.	Andhra Pradesh, Bihar, Chennai, Delhi, Gujarat, Haryana, Himachal Pradesh, Karnataka, Kerala, Kolkata, Madhya Pradesh, Orissa, Punjab, Rajasthan, Tamil Nadu, UP(E), UP(W) including Uttaranchal and West Bengal
6	HFCL Infotel Ltd	Punjab
7	Shyam Telelink Ltd	Rajasthan
8	Reliance Communications Ltd.	Andhra Pradesh, Bihar, Chennai, Delhi, Gujarat, Haryana, Himachal Pradesh, Karnataka, Kerala, Kolkata Madhya Pradesh, Maharashtra, Mumbai, Orissa, Punjab, Rajasthan, Tamil Nadu, UP (E), UP (W) and West Bengal

1.1.2 Market Share of Wireline subscriber base.

The total subscriber base of Wireline services stood at 39.42 million as on 31 st March 2008. The incumbents BSNL and MTNL have 80.05% and 9.33% market share respectively in the subscriber base, while all the five private operators together have 10.62% share. The market share of total Wireline segment is shown in the chart below:

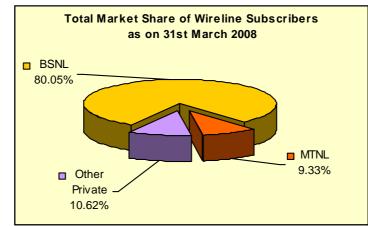
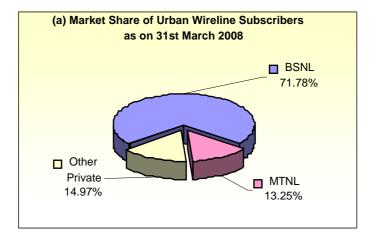


Figure 1.1: Distribution of Market share of Urban + Rural Wireline subscriber

Figure 1.2 : Distribution of Market share of Urban Wireline subscriber



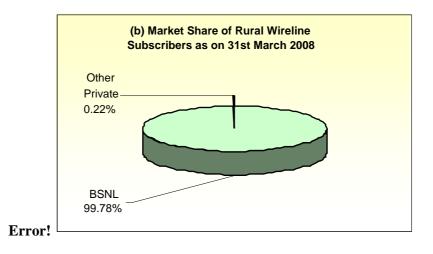
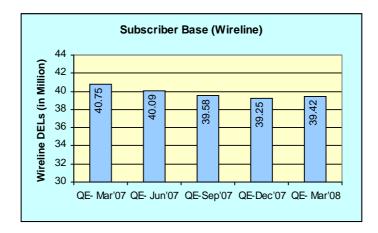


Figure 1.3 : Distribution of Market share of Rural Wireline subscriber

1.1.3 Subscriber Base of Wireline for last five quarter s

The subscriber base of the Wireline service sector for last five quarters is depicted below:

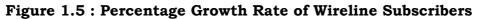
Figure 1.4: The subscriber base of the Wireline service sector for last five quarter

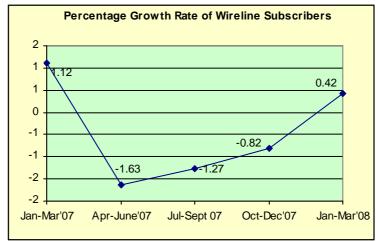


1.1.4 Status of Wireline services

The Fixed (Wireline) subscriber base registered an increase of 163,592 lines during the quarters starting from the month January' 2008 to March' 2008. The net number of fixed (wireline) has increased to 3,94,15,963 from 3,92,52,371 as on 31st March 2008. The overall percentage of increase in subscriber base during the quarters is 0.42%.

During the quarter ending 31st March 2008 some service providers have reported increase in their respective wireline subscriber base such as M/s Bharti Airtel Ltd. fro m 21,78,175 to 22,83,326 (+105,151), M/s Tata Teleservices Ltd. (TTL) (including TT(M)L) from 6,72,425 to 7,22,951 (+50,526), M/s MTNL from 35,97,029 to 36,78,370 (+81,341)and M/s Reliance Communications Ltd. (RCL) from 7,80,974 to 8,73,969 (+92,995). However others reported reduction in the subscriber base of Wireline during the quarter ending March '08 (M/s BSNL from 3,17,11,219 to 3,15,52,296 (-1,58,923), M/s Shyam Telelink Ltd. from 1,58,782 to 1,57,456 (-1,326) and M/s HFCL Infotel Ltd. from 1,53,767 to 1,47,595 (-6,172)).





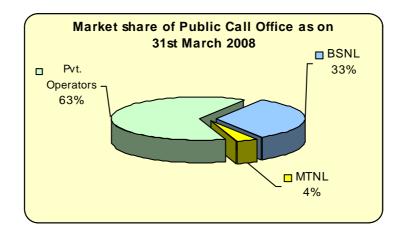
1.2 Other Performance Indicators: -

1.2.1 Public Call Offices:

(i) During the current quarter 2,83,883 new PCOs have been added. Total number of PCOs in the country as on 31st March 2008 is 61,85,904. The share of BSNL is 20,51,518 i.e. 33% of the total PCOs. The share of MTNL and other private operators combined is 2,39,335 (4%) and 38,95,051 (63%) respectively.

(ii) Operator-wise (BSNL/MTNL/Other Private Operators) market share of PCO is depicted in the Figure 1.6. Operator-wise details of PCOs is available in Table 1.2.

Figure 1.6 : Market Share of Public Call Office as on 31.03.2008

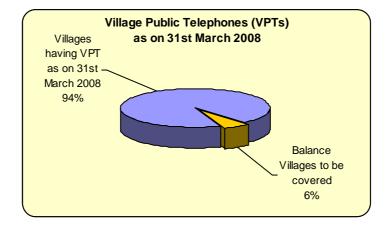


1.2.2 Village Public Telephones (VPT):

There are 5,93,485 villages in India as per census 2001 as reported by BSNL. During the previous quarter ending 30^{th} December 2007 there were 5,30,127 VPTs in the country whereas by the end of this quarter i.e. 31st March 2008, the total number of VPTs have increased to 5,59,503. Thus 29,376 VPTs have increased during the current quarter. BSNL has reported increase of 1,547 VPTs during the quarter. All the five private operators together added of 27,829 VPTs during this quarter. The total number of villages left uncovered, are 33,982 as on 31st March 2008.

The status of VPT's is depicted in the Figure 1.7





(Note: the total number of villages in India has been shown as per census 2001 (as reported by BSNL) In census 1991 total number of villages were 607491 which have been reduced to 593485 as per census 2001).

Circle-wise and Operator-wise details of village public telephones as on 31^{st} March 2008 and addition/deletion during the quarter are available in Table 1.3.

CHAPTER TWO PERFORMANCE OF WIRELESS SERVICES

Wireless Subscriber Base reached 261.07 million

PART A

2.1 Details of service providers: - The list of all the Wireless service providers along with their licensed service areas is as under: -

SLNO	Service Provider	Area for which licensed with No.	Area for which not licensed	UASL Service Licensed
1	BSNL/MTNL	All India (23)		
2	Bharti	All India (22)		All India except NE
3	Aircel Group	All India (23)		All India except Chennai & TN
4	Reliance Group	All India (23)		All India except NE & AS
	Reliance Infocomm	All India (except Assam & NE) (21)	Assam & NE	All India except NE & AS
	Reliance Telecom	Kolkata, MP, WB, HP, Bihar, OR, Assam & NE (8)	Delhi, Mumbai, Chennai, MH, Gujarat, AP, KTK, TN, KR, PB, Har, UP (W), UP (E), Raj & J&K	MP, WB, HP, Bihar, OR, Assam & NE
5	Vodafone	All India (23)		UP-W, MP, WB, HP, Bihar, OR, Assam, NE, J&K
6	Tata Teleservices	All India (23)		All India
7	IDEA	All India (22)		Mumbai, Chennai & TN, Kol, KTK, Pb, WB, Bihar, OR, Assam, NE & J&K
8	Shyam Telelink	All India (22)		All India
9	BPL/Loop Telecom Private Ltd	All India (22)		All India except Mumbai
10	M/s Volga Properties Pvt. Ltd., M/s Hudson Properties Ltd., M/s Unitech Infrastructure Pvt. Ltd., M/s Azare Properties Ltd., M/s Aska Projects Ltd., M/s United Builders & Estates Private Ltd., M/s Adonis projects Pvt. Ltd., M/s Nahan Properties P.Lt.	All India (22)		All India
11	Datacom Solutions Pvt. Ltd.	All India except Pb (21)	Punjab	All India except Pb
12	Swan Telecom Pvt. Ltd	Delhi, Mumbai, Mah, Guj, AP, Ktk, Chennai & TN, KR, Punjab, HR, UP (W), UP (E) & Raj (13)	Kol., MP, WB, HP, Bihar, OR, Assam, NE & J&K	All India except Kol., MP, WB, HP, Bihar, OR, Assam, NE & J&K
13	Spice Communications	Delhi, Mah, AP, KTK, Punjab, Har (6)	All India except (Delhi, Mah, AP, KTK, Pb & Har)	Delhi, Mah, AP, KTK, Pb, Har
14	S Tel Ltd	HP, Bihar, Orissa, Assam, NE, J&K (6)	All India except HP, Bihar, OR, Assam, NE, J&K	HP, Bihar, OR, Assam, NE, J&K
15	HFCL	Punjab (1)	All India except Punjab	Punjab

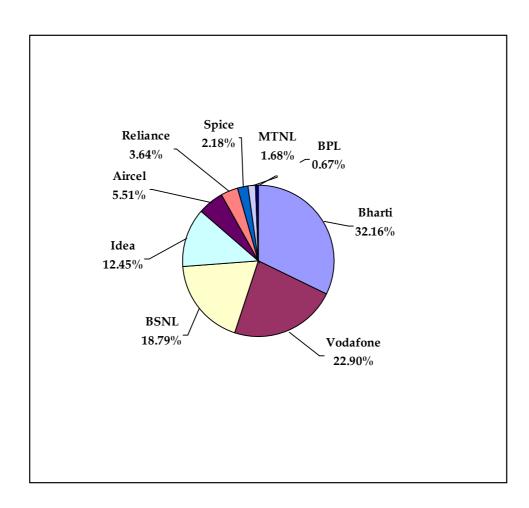
Circle-wise details of Wireless, Wireline & Unified Access Service providers for the quarter ending March 2008 are given at Annex 2.1.

2.2 Growth of Subscribers Base: -

2.2.1 GSM

The GSM subscribers base has reached 192.70 million in the quarter ending March 2008 as against 172.23 million at the end of the previous quarter. The quarterly growth for this quarter is 11.89%. M/s Bharti with 61.98 million subscriber base remains the largest GSM mobile operator followed by M/s Vodafone, M/s BSNL and M/s Idea with subscribers base of 44.13 million, 36.21 million and 24.00 million respectively. The market share of different GSM operators is given below:

Figure 2.1: Operator-wise Market Share of GSM service providers as on 31st March 2008



2.2.2 CDMA

The CDMA Subscribers Base has reached 68.37 million during the quarter ending March 2008 as against 61.39 million at the end of December 2007. The quarterly growth in this quarter is 11.37% as against 11.44% for the previous quarter. M/s Reliance remains the largest CDMA mobile operator followed by M/s Tata Teleservices and M/s BSNL with subscribers base of 38.78 million, 24.33 million and 4.58 million respectively. M/s BSNL in Kolkata & Punjab have reported negative growth .

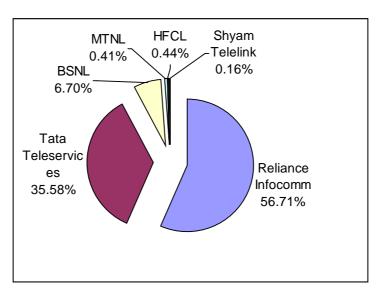


Figure 2.2: Operator-wise Market Share of CDMA Wireless as on 31st March 2008

2.2.3 Wireless Subscriber Base

At the end of March 2008, the Wireless (Mobile and WLL (F)) market has reached 261.07 million subscriber mark as against 233.62 million subscribers in the previous quarter.

2.2.4 Addition in Subscribers Base

During this quarter 27.45 million subscribers were added. The t otal subscriber base of 261.07 million comprises of 192.70 million GSM mobile (73.81%) & 68.37 million CDMA Mobile (26.19%). The growth rate in this quarter is 11.75% as against 11.73% in the previous quarter.

2.2.5 Company wise Market Share

a) M/s Bharti has maintained its 1st position with a wireless subscriber base of 61.98 million. It has market share of 23.74% wireless subscriber base. M/s Reliance is on 2nd position at the end of this financial year with a total subscribers base of 45.79 million.

SL	Operator (with	Subscribers Base as	Market Share
NO	number of Circle)	on Year ending Mar	
		08 (in Millions)	
1	Bharti (23)	61.98	23.74%
2	Reliance (23)	45.79	17.54%
3	Vodafone (16)	44.13	16.90%
4	BSNL (21)	40.79	15.62%
5	Tata (20)	24.33	9.32%
6	Idea (11)	24.00	9.19%
7	Aircel (9)	10.61	4.06%
8	Spice (2)	4.21	1.61%
9	MTNL (2)	3.53	1.35%
10	BPL (1)	1.29	0.50%
11	HFCL (1)	0.30	0.11%
12	Shyam (1)	0.11	0.04%
	Total	261.07	100.00%

b) The Wireless operators on the basis of market share are given below: -

The details of operator-wise subscribers of GSM and CDMA are given in Table 2.2.

c) Distribution of Subscriber base and market share of Wireless services as on March 2008 among Metros, Circles A to C is given in Table 2.3.

PART B : ARPU and MoU

2.3 GSM (Full Mobility)

2.3.1 Average Revenue Per User (ARPU)

- The all India blended ARPU per month has turned around and registered a marginal increase (1.15%) from Rs. 261 in Dec-07 to Rs. 264 in Mar-08. This increase is result of steep increase in ARPU in Circle category "A" (5.9%).
- As per the data available the overall increase in ARPU for GSM has been largely due to sharp increase in revenue of BSNL.
- ARPU for postpaid service has shown an increase of 1.59% from Rs. 628 in Dec-07 to Rs. 638 in Mar-08. Prepaid service has shown a growth rate in ARPU of 2.3% from Rs. 219 in Dec-07 to Rs. 224 in Mar-08.
- As per the revenue reports furnished by the service providers, revenue, net of "pass through", is about Rs. 14,329 Crores in the quarter ending Mar -08 as against Rs. 12,738 Crores in the Dec -07 quarter, thereby showing a growth of 12.5%.

Period	Revenue*	Quarterly rate of
	(Rs. in Crores)	growth
Jan-07 to Mar-07	10,040	8.4%
Apr-07 to June-07	11,336	12.9%
July-07 to Sept-07\$	11,903	5.0%
Oct-07 to Dec-07\$	12,738	7.0%
Jan-08 to Mar-08\$	14,329	12.5%

Growth in Revenue of GSM Service Providers

* Net of pass through

\$ Data excludes revenue from FWP services

Circle	Postpaid	Prepaid	Blended ARPU
Circle A	632	225	264
Circle B	543	214	232
Circle C	590	244	266
Metro	712	235	333
All India	638	224	264
All private SPs	701	224	266
BSNL/MTNL	456	226	254

ARPU (Rs. per month during the quarter)

Composition	of Revenue	(%)

Item	Dec-07	Mar-08
Rental Revenue	21.3%	19.9 %
Revenue from		
Call charges (usage)	56. 1%	57.4%
Revenue from		
Roaming	9.8 %	9.8 %
Revenue from SMS	4.6 %	4.3%
Other Revenues *	8.2%	8.6%

Notes:

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

2.3.2 Usage Pattern

- MOU per subscriber has increased from 464 in Dec -07 to 493 in Mar-08, thereby showing an increase of 6.25% as against 0.46% in QE Dec -07.
- Both, outgoing and incoming MOUs have grown, h igher being in outgoing MOUs (7.04%). Incoming MOUs have grown by 5.49%.
- Individually, both for postpaid and prepaid, Metros continue to have lowest outgoing MOU per subscriber as compared to other circle categories.
- Overall ratio of incoming-outgoing MOUs has been 52:48 for GSM services. For postpaid, ratio of incoming-outgoing minutes is 46:54 and for prepaid segment, it is 54:46.
- Outgoing SMS per subscriber continued to decline. Rate of decline has been 7% from 28 in Dec-07 to 26 in Mar-08. Detailed data is given in Annex. 2.2.
- 2.3.3 Average Subscriber outgo (rental + call charges) per minute

The tariff plans are of bundled nature and the trade-off is generally between monthly fixed charges and Variable (call) charges. Annex 2.4 indicates the average outgo per outgoing minute i.e. Rental revenue + Airtime revenue per outgoing minute.

• All India average outgo per minute has declined from Rs. 0.99 in Dec -07 to Rs. 0.92 in Mar-08 indicating an overall decline in tariff for GSM services in the country.

2.4 CDMA (Full Mobility Service)

2.4.1 ARPU (Average Revenue Per User per month)

- All India blended ARPU per month for the quarter ending March 2008 is Rs. 159/- as compared to Rs. 176/- for the quarter ending December 2007.
- The lowest blended ARPU per month is in U P West (Rs.117/-) while the highest blended ARPU is in Mumbai (Rs. 228/-).
- According to the revenue reports submitted by the service providers for the quarter ending March 2008, revenue, net of "pass through", from CDMA full mobility service is Rs. 2410.00 crores which was 2381.01 crores in the quarter ending December 2007 registering a growth of 1.22%.
- The huge difference between postpaid and prepaid ARPU noticed in the previous quarter continued to remain valid for this quarter as well. Postpaid ARPU has been 3.94 times that of prepaid ARPU, which perhaps, could be attributed to declining importance of processing fee on recharge coupon/ voucher purchased by prepaid subscribers. The gap is lowest in Circle C (2.92 times) and highest in Circle A (4.28 times).

Circle	Postpaid	Prepaid	Blended ARPU
Circle A	484	113	150
Circle B	431	123	144
Circle C	446	153	167
Metro	537	132	185
All India	489	124	159

ARPU (Rs. per month during the quarter) - CDMA

Composition of Revenue (%)

Item	Dec-2007	March-2008
Rental Revenue	27.6%	24.5%
Revenue from Call		62.2%
Charges (usage)	58.6%	
Revenue from SMS	1.9%	1.8%
Roaming Revenue	4.5%	2.9%
Other Revenues*	7.5%	8.6%

* Includes revenue from other value added services, installations etc.

2.4.2 Usage Pattern (Minutes of Usage)

- Two trends are visible in the traffic pattern: One; the total MOU per subscriber/ month has shown decline from 375 minutes (Q.E December 2007) to 364 minutes (Q.E March 2008). Second, the O/G MOU per subs/ month has also declined (i.e. by 9 minutes) in the current quarter as compared to previous quarter.
- ARPU has also decreased from Rs. 176/ (Q.E December 2007) to Rs. 159/ (Q.E March 2008) for the CDMA operators by 10.7%.
- The highest MOUs are recorded in Andhra Pradesh Circle at 492/- per subscriber per month, which is 35.2 % higher than the all India figure at 364/- per subscriber per month.
- The lowest MOUs have been reported in Punjab Circle at 262 minutes, which is 39% lower than the all India figure at 364 MOUs per subscriber per month.
- The ratio of incoming outgoing traffic was 49.8:50.2 in the quarter ending December-2007 as against 49.4:50.6 reported for the quarter ending March-2008.
- The highest number of SMS per subscriber is recorded in Delhi & Gujarat (30 per subscriber per month), which is 88% higher than the all India at 16 SMS per subscriber per month.

Detailed data is given in Annex 2.3

2.4.3 Average Subscriber Outgo (rental + call charges) Per Minute

Average Subscriber Outgo per minute (Rental Revenue + Airti me Revenue per outgoing minute) is given in Annex. 2.5.

The All India Average Subscriber Outgo per minute is Rs. 0.79/ - in March 2008 as against Rs. 0.84/- in December 2007.

CHAPTER THREE

PERFORMANCE OF INTERNET SERVICES

3.1 Service Providers & Subscribers Base: -

There are 11.09 million Internet subscribers approximately at the end of March 2008 as compared to 10.36 million at the end of December 2007 registering a growth of 7.08%. This growth rate is slightly less than the growth ra te of 7.64% at the end of December 2007.

Among 132 ISPs reported their subscribers figure for Quarter ending 31 st March 2008, Bharat Sanchar Nigam Ltd (BSNL) has retained its top position and reported a subscriber base of nearly 5.64 million Internet subscribers against 4.99 million at the end of last quarter. Mahanagar Telephone Nigam Limited (MTNL) has retained second position with a subscriber's base of nearly 1.89 million. M/s Bharti Airtel Ltd is third with subscriber base of 0.81 million. (Ref. Table 3.1).

Besides above, there are 66.09 million wireless subscribers at the end of March 2008 (capable of accessing data services including Internet through mobile handset (GSM/ CDMA)).

3.2 Internet Telephony: -

As per the new guidelines for grant of license for operating Internet Services issued by DOT in August 2007, no separate category of Internet Telephony Service Providers (ITSPs) has been envisaged. The broad term used will be Internet Service Provider (ISPs) for all the Internet service including Internet Telephony services.

32 ISPs submitted their Internet Telephony reports to TRAI, the list of which is enclosed at Annex 3.2. Total minutes of the use (MoU) for Internet Telephony during the quarter were 115.04 million minutes as compared to 12 1.30 million minutes for the last quarter registering a decrease of 5.16% over the previous quarter.

3.3 Market Share: -

3.3.1 The growth trend of Wireline Internet Subscribers indicates a slight increase in the market share of PSU owned ISPs vis-à-vis private operators. During the quarter private ISPs have captured only 32.06% market share as against 33.96% market share in the preceding quarter. The PSU owned ISPs market share has increased from 66.04% to 67.94% at the end of March 2008.

S1 .	ISP	Subs. base	Share in %
1)	Bharat Sanchar Nigam Ltd	5640191	50.82
2)	Mahanagar Telephone Nigam Ltd.	1899747	17.12
3)	Bharti Airtel Ltd. (Bharti Televentures Ltd.)	815360	7.35
4)	Reliance Communications Infrastructure		
	Limited	696440	6.28
5)	Sify Technologies Ltd.	576047	5.19

The market share of top 5 ISPs is as under:

Among PSU owned ISPs; M/s BSNL has shown an increase of 12.97% in the subscriber base and have 50.82% share of total wireline subscriber base. MTNL is at second position and have a market share of 17.12%.

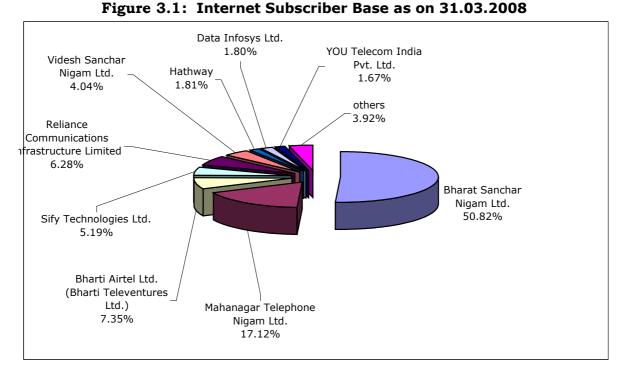
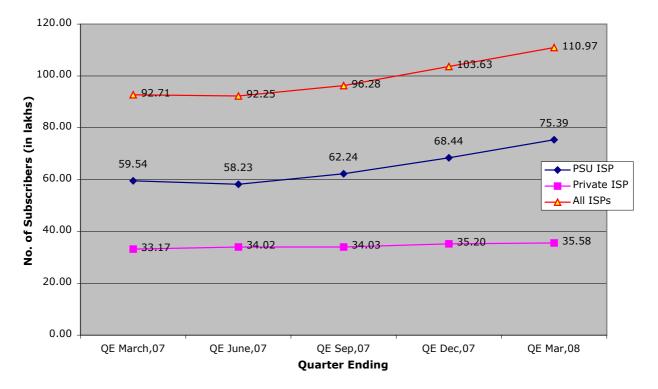


Fig 3.2 Growth Trends of Wireline Internet Subscribers



38

The growth trend of Wireless Subscribers capable of accessing data services including internet through their mobile handsets is shown below:

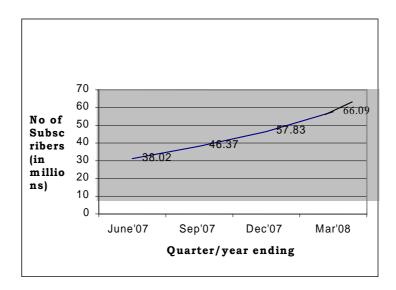


Figure 3.3 : Growth of Wireless Subscribers Capable of Accessing Data Services/ Internet

This segment has been showing an increasing trend during the year 2008. Thes e subscribers are using mobile handsets which are having "Internet enabled" feature and they are potential broadband subscribers with the deployment of advanced wireless technologies such as 3G and WiMAX.

3.4 Leased Lines Connectivity:

The numbers of Internet Leased Line connections are 22752 at the end of March 2008 as compared to 21858 at the end of December 2007 registering a growth of 4.09%

3.5 Broadband Connectivity (>=256 Kbps):

The number of Broadband subscribers (with a download speed of 256 Kbps or more) was 3.87 million at the end of March 2008. Out of these 3281012 are DSL based; 376200 Cable Modem; 107128 Ethernet LAN; 50739 Fibre; 39051 Radio customers; Leased Line 16494 and 3555 Others.

3.6 Company wise market share of Broadband Service Pr oviders:

The Top 10 Internet Service Providers providing broadband service on the basis of market share are:-

S1.No	ISPs Offering Broadband	Subscribers	Share in %
	Services	Base	
1	Bharat Sanchar Nigam Ltd.	2033540	52.49
2	Mahanagar Telephone Nigam Ltd.	570703	14.73
3	Bharti Airtel Ltd. (Bharti Televentures		
	Ltd.)	462990	11.95
4	Tata Communications Limited (Videsh		
	Sanchar Nigam Ltd.)	198374	5.12
5	Hathway Cable & Datacom Pvt. Ltd.	173808	4.49
6	YOU Telecom India Pvt. Ltd.	141338	3.65
7	Sify Technologies Ltd.	67182	1.73
8	Reliance Communications		
	Infrastructure Limited	65257	1.68
9	Asianet Satellite Communications Ltd.	38466	0.99
10	HFCL Infotel Ltd.	19772	0.51
	Sub Total	3771430	97.35%
	Others	102749	2.65%
	TOTAL	3874179	100%

3.7 Minutes of Use (MoU) per subscriber for Dialup Internet access:

The average minutes of usage per subscriber/ month for dialup subscribers was approximately 220 minutes at the end of March 2008 as compared to 210 minutes at the end of December 2007.

3.8 Average Revenue Per User (ARPU) for ISPs:

The average revenue per user (ARPU) per month for dialup Internet usage was Rs 220/- at the end of March 2008 as compared to Rs 210/- at the end of December 2007 having a growth of 4.76%.

3.9 International connectivity:

The bandwidth owned by various IGSP for their ISP operations and Internet Leased lines is reported to be 47 GB for downlinking and 46 GB for uplinking at the end of March 2008 as compared to 42 GB for downlinking and 41 GB for uplinking at the end of December 2007.

CHAPTER FOUR

PERFORMANCE OF VALUE ADDED SERVICES 4.1 Public Mobile Radio Trunk Service (PMRTS): -

The subscriber base of PMRTS increased from 34825 in December, 2007 to 36240 in March, 2008 registering a growth rate of 4.06%.

Delhi, Bangalore, Mumbai and Chennai together account for 70.59% of market share of the total subscribers. Operative area Delhi leads the tally with the market share of 9787 subscribers followed by Bangalore, Mumbai and Chennai with the market share of 6772, 5093 and 3907 subscribers respectively.

M/s Arvind Mills Limited leads the tally of subscribers with a subscriber base of 11817 followed by M/s Procall and M/s Quick Calls India Pvt. Ltd. with a subscriber base of 9192 and 4668 respectively. The subscribers base for M/s United Liner is 2100, M/s Aryadoot Transport is 1649, M/s Bhilwara Telenet is 1392, M/s Arya Offshore Services Pvt Ltd is 1368, M/s Jety-Aiu is 511 & M/s India Satcom is 202. There is no change in the subscriber base for the PMRTS operator namely M/s Container Movement Transport Pvt Ltd.

M/s Smarttalk (2449) and M/s German Express (887) have registered a negative growth rate in their subscriber base. The highest negative growth rate in this quarter is reported by M/s German Express which is 5.13% of their subscriber base.

The subscriber base of service providers of PMRTS is given in Table 4.1.

4.2 VSAT services: -

VSAT services are being provided by 9 VSAT Service Providers. M/s Bharat Sanchar Nigam Limited have submitted their first Performance Monitoring Report of VSAT service in this quarter.

In this quarter, there was an addition of 13986 new subscribers. The total number of subscribers increased from 67409 in Dec, 2007 to 81395 in March, 2008, registering a growth of 20.75% as against the growth rate of 3.15% in quarter ended Dec, 2007.

M/s Hughes Communication Limited is the market leader with subscribers base 25464 followed by M/s HCL Comnet with 23050 and M/s Bharti Airtel Limited Bangalore with 18193 VSAT subscribers respectively.

M/s M/s Bharti Airtel Limited has the highest growth rate of 81.58% in this quarter.

M/s ITI is having a negative growth rate of 2.17% in this quarter. The subscriber base of M/s ITI has decreased from 46 in Dec, 2007 to 45 in March, 2008. M/s GNFC ltd has been reporting the VSAT subscriber as NIL since last December 07 quarter.

Number of VSAT Subscribers has been steadily growing over the last four quarters. Service Providers especially M/s Bharti Airtel Limited, M/s Hughes Communications Ltd., M/s HCL Comnet, M/s Bharti Broadband, M/s Essel Shyam and M/s Tatanet have reported good growth in their Subscriber base in this quarter and is given in Table 4.2.

CHAPTER FIVE

QUALITY OF SERVICE (QoS) PERFORMANCE

5.1 Quality of Service performance of Wireline Service Operators:

Based on Quality of Service Parameters reported by all the Wireline Service Operators for the quarter ending March 2008, the information on QoS performance is attached to this report at Annex 5.1.

The summary of status of the service providers who have not met the benchmarks in this quarter as compared to previous quarter is given in the Table below:

			No. of operators not meeting the bend			enchmarks
Sr. No.	Parameters	Benchmark	Dec, 2007		March, 2008	
			Out of 78 (In Nos)	Out of 78 (In %age)	Out of 78 (In Nos)	Out of 78 (In %age)
1	Provision of Telephones after registration of demand	100% within 7 Days	57	73.08%	65	83.33%
2	Fault incidences per 100 subs/month	<5	27	34.62%	25	32.05%
3	Fault repaired by next working day	> 90 %	16	20.51%	18	23.08%
4	MTTR	<8Hrs	27	34.62%	25	32.05%
5	Grade of Service (Junction between local exchange)	2/1000	1	1.28%	2	2.56%
6	Call Completion Rate (in local network)	>55%	9	11.54%	7	8.97%
7	Metering & billing credibility - % of bills	<0.1%	8	10.26%	5	6.41%
8	Customer Care Service (95% of requests)					
(i)	Shifts	<3 Days	21	26.92%	21	26.92%
(ii)	Closures	<24 hrs.	18	23.08%	7	8.97 %
(iii)	Additional Facilities	<24 hrs.	17	21.79 %	15	19.23%
9	Response time to the customer for assistance					
(i)	%age of calls answered (electronically)					
	Within 20 sec = 80%	80 %	1	1.28%	1	1.28%
	within 40 sec = 95%	95%	1	1.28%	1	1.28%
(ii)	%age of calls answered by operator (voice to voice)					
	Within 60 sec = 80%	80%	9	11.54%	1	1.28%
	within 90 sec = 95%	95%	18	23.08%	9	11.54%
10	Time taken for refund of deposits after closures	100% within 60 days	17	21.79%	8	10.26%

Parameters	Benchmarks	Service Providers not meeting the
		benchmarks
Provision of Telephones after	100% within 7	BSNL = AP (89.01%), GJ (97.20%),
registration of demand	Days	Chhatisgarh (89.15%), MH (86.51%), Punjab
		(99.60%), Raj (99.83%), HR (99.92%), KTK
		(99.86%), A&N (90.71%), Assam (88.62%),
		Chennai (99.53%), Jharkhand (98.80%),
		Kerala (98.37%), Kolkata (99.65%), NE-I
		(82.20%), Orissa (96.00%), UP-E (98.73%),
		UP-W (92.79%), Uttranchal (98.97%)
		MTNL = Delhi (99.91%), Mumbai (94.46%)
		Reliance = AP (85.84%), Bihar (93.10%),
		Delhi (19.35%), GJ (89.25%), MP (89.27%),
		MH (67.22%), Punjab (92.78%), RJ (78.41%),
		HR (99.08%), KTK (64.26%), HP (0.00%),
		Kerala (34.53%), Kolkata (38.87%), Mumbai
		(17.77%), Orissa (0.14%), UP-E (66.34%),
		WB (50.00%)
		Bharti = All circles except Haryana
		Tata = AP (90.98%), Delhi (81.16%), GJ
		(98.67%), MH (79.98%),), PB (98.65%), TN
		(88.49%), KTK (74.13%), Chennai (91.37%),
		KR (96.65%), Kolkata (81.36%), Mumbai
		(84.53%)
		HFCL = Punjab (98.91%)
		Shyam = Rajasthan (98.46%)
Fault incidences per 100	<5	BSNL = All circles except AP, TN, MP, HP,
subs/month		A&N, Chennai, Jharkhand, Kolkata, NE-I,
		Orissa
		MTNL = Delhi (6.33), Mumbai (6.79)
		Reliance = UP $-E(10.04)$
		Bharti = MP (5.90), TN (5.50), UP-E (7.00),
		UP-W (7.00)
		Tata = Gujarat (5.30)
Fault repaired by next working day	>90%	BSNL = Bihar (82.33%), Chhattisgarh
		(85.16%), MH (87.73%), Punjab (89.28%),
		A&N (87.25%), Assam (72.64%), HP
		(89.95%), Jharkhand (88.76%), J&K (73.04%),
		KR (87.16%), West Bengal (84.97%)
		MTNL = Mumbai (89.95%)
		Reliance =TN (88.21%)
		Bharti = AP (89.60%), Kerala (89.52%)
		Tata = Delhi (77.14%), PB (66.67%), HR
		(73.17%)
MTTR	<8Hrs	BSNL = All circles except GJ, MP, RJ, TN,
		HR, KTK, A&N, J&K, Orissa, UP-E, UP-W

The parameter wise performance is given as under:

		and Uttaranchal MTNL = Mumbai (13.11)
		Bharti = Delhi (8.80 hrs), PB (9.10 hrs), RJ
		(10.80 hrs), TN (20.96 hrs.), HR (11.00 hrs.),
		Kolkata (8.70 hrs.), UP-E (10.30 hrs.), UP-W
		(11.10 hrs)
		Tata = Delhi (13.90 hrs.), PB (22.61 hrs.) HR
		(20.08 hrs.)
Grade of Service	(2/1000)	Bharti = Kolkata (0.0030), UP-W (0.0140)
Call Completion Rate (in local	>55%	BSNL = MH (53.59%), A&N (50.67%),
network)		Jharkhand (52.40%), J&K (50.34%)
		MTNL = Delhi (49.42%)
		Bharti = MH (39.73%), KTK (54.27%)
Metering & billing credibility - % of	<0.1%	Bharti = AP (0.72%) , TN (0.25%) , KTK
bills	30.170	(0.14%), Kerala $(0.31%)$
Sinc		Tata = Mumbai (0.105%)
Customer Care Service (95% of		
requests)		
Shifts		BSNL = AP (79.00%), MH (83.00%), A&N
Shirts	<3 Days	(90.00%), Kerala (92.00%), NE-I (90.00%),
		Orissa (89.00%) and Uttaranchal (94.00%)
		MTNL = Delhi (92.05%), Mumbai (83.95%)
		Bharti = MH (94.26%), RJ (86.49%), TN
		(86.03%), KTK (93.50%), KR (93.32%),
		Kolkata (93.88%), UP-W (92.81%).
		Tata = AP (91.95%), Delhi (85.71%), GJ
		(82.59%), MH (71.51%), KTK (73.33%)
Closures	<24 hrs.	BSNL = AP (91.35%), Bihar (84.54%), MH
		(93.76%), Assam (93.28%), HP (93.49%),
		Orissa (94.02%)
		Reliance = Chennai (94.64%)
Additional Facilities	<24 hrs.	BSNL = AP (84.47%), Bihar (84.70%), A&N
		(88.50%), Assam (92.35%), J&K (94.82%),
		NE-I (94.54%)
		Bharti = AP (93.10%), Delhi (92.89%), MP
		(89.45%), TN (92.08%), KTK (94.46%), KR
		(81.76%)
		Tata = Delhi (94.82%), MH (85.63%), HR
		(83.33%)
Response time to the customer for		
assistance		
%age of calls answered electronically		
Within 20 sec = 80%	80%	BSNL - NE-II (73.29%)
Within 40 sec = 95%	95%	BSNL - NE-II (82.00%)
	3 3 /0	DOINL - INE-II (02.00%)
%age of calls answered by operator (voice to voice)		
Within 60 sec = 80%	80%	Bharti - KTK (75%)

within 90 sec = 95%	95%	BSNL = AP (92.47%)
		MTNL = Mumbai (87.42%)
		Bharti = AP (90%), KTK (83%)
		Tata = Delhi (92%), GJ (89%), MH (90%),
		KTK (93%), Mumbai (93.33%)
Time taken for refund of deposits	100% within 60	Bharti = Delhi (96%), MP (99.27%), RJ
after closures	days	(92%), UP-E (93%), UP-W (97%)
	uays	Tata = GJ (94.05), PB (97.71%), HR (93.94)

5.2 Quality of Service performance of Wireless Service Providers for quarter ending 31st March 2008: -

5.2.1 This report covers performance of 93 GSM and 44 CDMA service operators vis -àvis the QoS benchmarks prescribed by TRAI. The summary of performance of service providers not meeting the benchmark as compared to previous quarter is given in the table below:

	Parameters	Bench-Marks	No. Of Operators Not Meeting The Benchmarks			
Sr.No.				Ending 2007	Quarter Ending March, 2008	
			Out Of 135 (Nos.)	Out Of 135 (in %)	Out Of 134* (Nos.)	Out Of 134* (in %)
1	Accumulated down time of Community isolation	<24 hrs	1	0.74%	0	0.00%
2	Call Set-Up Success Rate (Within Licensee's Own network)	>95%	1	0.74%	2	1. 49 %
3	Service access delay	<15 Sec	2	1.48 %	0	0.00%
4	Blocked call rate (i) SDCCH/paging channel congestion	<1%	5	3.70%	9	6.72%
	(Ii) TCH Congestion	< 2 %	7	5.18%	12	8.96 %
5	Call drop rate	<3.0%	0	0.00%	0	0.00%
6	%age of Connections with good voice quality	>95%	5	3.70 %	0	0.00%
7	Responsetimetothecustomerforassistance%ageofcallsanswered(electronically)within20seconds = 80%	80%	0	0.00%	0	0.00%
(i)	%Age of calls answered (electronically) within 40 seconds = 95%	95%	2	1.48%	0	0.00%
(ii)	%Age of calls answered by operator (voice to voice); within 60 seconds = 80%	80%	29	21.46%	22	1 6.42 %
(iii)	%Age of calls answered by operator (voice to voice); within 90 seconds = 95%	95%	61	45.80%	52	38.81%
8	Complaints per 100 bills issued	<0.1%	2	1. 48 %	6	4.48%
9	% Of complaints resolved with 4 weeks	100%	2	1. 48 %	1	0.75%
10	Period of all Refunds/Payment due to Customers from the date of resolution of complaints As In (9) above	<4 Weeks	0	0.00%	1	0.75%

NOTE: M/s Bharti Airtel has submitted a combined PMR for TN & Chennai as the Licence of M/s Bharti Aircel Chennai circle has b een merged with Tamilnadu circle. The Licence of M/s Reliable Internet Service has been merged with Reliance Telecom Ltd, Kolkata So,total no.of Licences providing PMR is 134.

The parameter wise performance is given as under:

Parameters		Service Providers Not Meeting The Benchmarks
Accumulated down time of Community isolation	<24 hrs	All the Operators meeting this Benchmark
Call Set-Up Success Rate (Within Licensee's	>95%	MTNL - Delhi (83.99) – GSM Service
Own network)		Bharti Airtel - WB (93.80%)
Service Access Delay	<15 sec.	All the Operators meeting this Benchmark
Blocked call rate (i) SDCCH/paging channel congestion	<1%	MTNL - Mumbai (1.61%) – CDMA Service Bharti Airtel – AP (1.31%), Rajasthan (4.14%), Bihar
		(6.25%), WB $(2.66%)$, NE $(1.50%)$
(ii) TCH Congestion	<2%	RTL - Assam (1.64%), NE (1.47%) BSNL - Andhra Pradesh (3.03%), Kerala (2.80%)
		MTNL - Delhi (4.45%) – GSM Service
		RTL – Assam (4.96%), NE (4.76%) Bharti Airtel - AP(2.84%), Rajasthan (5.11%), Bihar (4.98%) WB (2.19%), NE (2.18%)
Call Drop Rate	<3%	All the Operators meeting this Benchmark
% age of Connections with good voice quality	>95%	All the Operators meeting this Benchmark
Response time to the customer for assistance %age of calls answered (electronically)		
within 20 seconds = 80%	80%	All the Operators meeting this Benchmark
%Age of calls answered (electronically) within 40 seconds = 95%	95%	All the Operators meeting this Benchmark
%Age of calls answered by operator (voice to voice); within 60 seconds = 80%	80%	BSNL - Raj (79.00%)
		MTNL - Delhi (25.00%) - GSM Service Bharti Airtel - UP-W (79.00%), UP-E (51.00%), Assar (79.00%), Raj (53.00%) Reliance Comm - AP (64.50%), TN (68.10%), Chenna (73.00%) RTL - HP (78.00%) Tata - Guj (65.70%), AP (73.30%), HR (54.90%), UP-V (40.20%), UP-E (52.30%), RJ (71.60%), MP (66.10%), Delh (42.10%) Dishnet - WB (67.00%), Bihar (56.31%), Assam (71.73%),
%Age of calls answered by operator (voice to voice); within 90 seconds = 95%	95%	Dishnet - WB (67.00%), Bihar (56.31%), Assam (71.73%), BSNL – Raj (93.00%), Chennai (94.00%), Kolkata (94.00%)
		MTNL - Delhi (41.00%) – GSM Service Bharti Airtel - Guj.(92.80%), UP-W(86.00%), UP-E (69.00%) Raj (62.00%), MP (86.00%), HP (93.70%), Assam (84.00%) Bihar (94.90%), Orissa (92.10%), NE (89.00%), Mumba (93.80%) Reliance Comm - AP (72.40%), KTK (87.60%), TN (73.50%) Punjab (86.70%), HR (93.30%), UP-W (92.70%), UP-I (93.50%), HP (86.70%), Chennai (77.90%) Vodafone - UP-W (85.33%) Tata Tele - MH (90.33%), Guj (72.00%), AP (78.90%), KTK (92.30%), TN (90.60%), KR (88.90%), PB (87.00%), HI (59.00%), UP-W (45.00%), UP-E (57.10%), RJ (78.50%), MI (72.80%), WB (86.10%), HP (83.30%), Bihar (85.90%), Orissa (87.90%), Delhi (47.20%), Mumbai (93.33%), Chenna (90.30%), Kolkata (86.70%) Dishnet Wireless - WB (67.00%), Assam (71.73%), Biha (56.31%), Orissa (91.09%), J&K (93.94%)
Complaints per 100 bills issued	<0.1%	MTNL - Delhi (0.18%) – GSM Service

		Bharti Airtel – Bihar (0.12%), UP-W (0.11%), UP-E (0.20%), Assam (0.20%), NE (0.13%)
% Of complaints resolved within 4 weeks	100%	BSNL- Bihar (99.78%)
Period of all Refunds/Payment due to	<4 Weeks	RTL – Kolkata (40 days)
Customers from the date of resolution of		
complaints		

Some of the Service Providers are having problems in achieving the benchmarks in respect of parameters (i) %age of calls answered by operator (voice to voice); within 60 seconds (ii) %Age of calls answered by operator (voice to voice); within 90 seconds.

5.2.2 Details of Quality of Service Parameters :

Detail of performance related to Network Performance, Customer help line and billing complaints are available at Annex 5.2.

- 5.3 Quality of Service Performance of Internet Service Providers for quarter ending 31st March 2008: -
- 5.3.1 Annex 5.3 indicates the Quality of Service achieved by the ISPs during the quarter.
- 5.3.2 The observations on QoS Benchmarks are as follows:

5.3.2.1 <u>Service Activation Time (6 hrs):</u>

All the ISPs have met the TRAI benchmark of 6 hrs. M/s HFCL Infotel Ltd has not provided the data and M/s Broadband Pacenet has not provided the data as per format.

5.3.2.2 <u>Time to Access (30 sec) :</u>

All the ISPs have met the TRAI benchmark of 30 sec

5.3.2.3 <u>Probability of Accessing the ISP Node</u>

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. All the ISPs have met the TRAI benchmark.

5.3.2.4 <u>ISP Node Unavailability (30 min)</u>:

ISP Nodes unavailability should not exceed 30 minutes in a month. All the ISPs have met the TRAI benchmark. M/s HFCL Infotel Ltd and M/s Broadband Pace net have not provided the data.

5.3.2.5 <u>Grade of Service (1 in 100):</u>

ISPs are required to maintain the Grade of Service on the link connecting PSTN Node to the ISP Node as 1 in 100. M/s S HYAM INTERNET SERVICES LTD has not met the benchmark of this parameter.M/s Reliance Communication Infrastructure Ltd and M/s Broadband Pace net has not provided the data.

5.3.2.6 <u>Mean Time to Restore (MTTR)</u> (3 days):

As per clause 1.9 schedule "C" of ISPs license, 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.

5.4 Quality of Service Performance of Internet Service Providers providing broadband service for quarter ending 31st March 2008

Broadband Regulations came into force with effect from 1 st Jan 2007. Total number of the Broadband Service providers was 72 in last quarter ending December, 2007. No new service provider is added in this quarter .Total number of subscriber base of all the Broadband service providers is 3872348 in quarter ending March, 2008.

Out of 72 Broadband Service providers only 13 Service Providers are having subscriber base more than 10,000 subscribers and these 13 Service providers share the 98.77% of total subscriber base in this quarter. The total no. of Broadband Subscribers of these 13 Service Providers have increased from 3100720 to 3824955 by adding 7,24,235 (23.35%) subscribers in the qua rter ending March, 2008. But the Subscribers Base of M/s Beam Cables has been reduced from 11494 to 3176 in this quarter ending March, 2008 as such, M/s Beam Cables has not been included in this PMR. This report covers performance of 13 broadband Service Providers vis-à-vis the QoS benchmarks prescribed by TRAI.

Broadband Regulations came into force with effect from 1 st Jan 2007. Based on Quality of Service Parameters reported by Internet Service Providers providing broadband service for the quarter ending March 2008, the information on QoS performance is attached to this report as Annex 5.4.

Following table indicates the status of non-compliance in respect of QOS benchmarks for Internet Service Providers providing broadband service:

S1. No.	Parameters	Benchmark s	Name of Service Provider not Meeting the Benchmark
1	Service Provisioning/ Activation Time	100% in =< 15 working days	BSNL:- Bihar(98.00%), Chhattisgarh (97.00%), HR (97.00%) HP(98.00%), J&K(98.30%), Jharkhand (99.00%) , KTK (64.00%), KR (81.00%), Kolkata (94.00%), MH (78.23%), NE-I(98.24%) NE-II(90.00%), Orissa (90.00%), TN (85.00%), UPW(95.00%), Uttaranchal (77.00%) ,WB(76.00%). A&N (97.00%) Muthai(47.80%). Bharti Airtel:- AP(99.04%), KTK(98.00%), MP&CG(98.90%), MH(98.00%), Mumbai (96.40%) TN(94.90%) Tata Communications:- Central Region(99.00%), South1 (99.00%), South 3(88.00%) Hathway:- Guj(94.94%),MH(92.00%). Reliance :- All India (58.00%) Hathway:-
2	Faults Repair /Restoration Time		
	% of faults repaired by next working day	>90%	Bihar(83.00%), Chennai(89.00%), KTK(89.00%), Kolkata(85.00%), MH(84.00%), NE-II(83.00%), Raj(78.00%), WB(74.00%). MTNL:- Delhi (81.10%), Mumbai (79.09%). Bharti Airtel : AP(70.50%), KTK(75.19%) Tata Communications :- Central Region (87.00%), North(86.00%), South1(89.00%), South3(82.00%), West1(87.00%) South3(82.00%),

			Hathway : Guj(89.33%),MH(88.33%).
	% of faults repaired within 3 working day	=>99%	BSNL:-Assam(97.80), Bihar(98.00%), Jharkhand(98.00%), KTK(97.00%), Kolkata(94.00%), MH(93.00%), Raj(95.00%) MTNL:- MTNL:- Delhi (95.77%), Mumbai(94.58%) Bharti Airtel:- AP(89.52%), KTK(87.73%), MP&CG(98.30%), MH(98.70%), TN(96.68%). Siffy : Siffy : All India(98.00%) Tata Communications:- Central Region (94.00%), East(97.00%), North(94.00%), South I (97.00%), South 3(93.00%), West I (95.00%), West 2(98.00%) Hathway:- Chennai(98.13%), Guj(97.33%), MH(96.67%), TN(98.87%) Kuppender Augustante
3	Billing Performance		Mil(90.0770), IN(98.8770)
	%age of bills disputed	<2%	<u>Tata Communications</u> :- North(2.09%), South 3(2.04%), West 1(2.78%)
	%age of billing complaints resolved within 4 weeks	100% within 4 weeks	BSNL:- AP(95.15%), Bihar(96.00%), HP(67.00%), Jharkhand(99.68%), Karnataka(88.00%),Kolkata(98.00%), MH (94.00%), Orissa(93.00%), Raj(92.00%), TN(98.00%) <u>Hathway</u> : MH(99.17%) <u>HFCL Infotel</u> Ltd : Punjab (97.00%)
	%age of cases to whom refund of deposits is made within 60 days of closures	100% within 60 days	BSNL:- AP(99.80%), MH(97.00%), Orissa(83.00%) MTNL:- Delhi (98.84%) Bharti Airtel:- Delhi(93.00%) You Telecom India Pvt. Ltd.: All India (91.38%), AP(79.36%), Guj(99.45%), HR(93.75%), KTK(98.85%), MH(99.12%), TN (85.71%).
4	Response Time to the Customer for assistance		
	%age of calls answered by operator (Voice to voice) within 60 sec	>60%	<u>BSNL</u> :- KTK(45.00%)
	%age of calls answered by operator (voice to Voice) within 90 sec	>80%	BSNL:- KTK(66.00%) MTNL:- Mumbai(72.98%) Bharti Airtel:- KTK(76.00%)
5	Bandwidth utilisation/throughput No. of Intra network links having Bandwidth utilisation >90% during		Bharti Airtel:- AP(4 Links), Delhi(5 Links), KTK(4 Links), TN(1 Link) <u>Siffy:</u> All India(2 Links)
	peak hours (TCBH)No. of Upstream links for International connectivity having bandwidth utilisation >90% during peak hours (TCBH)		MTNL:- Mumbai (4 Links) Bharti Airtel:- Delhi(1 Link), MP & CG(1 Link), UP(E) (1 Link)
	Broadband Connection Speed available (download) from ISP node to user	>80%	Bharti Airtel:- KTK (0.94%)
6	Service availability /uptime (for all users) in %age	>98%	Tata Comm. Ltd.):- North(97.95%), West 1(96.83%)
7	Packet loss (for wired broadband access) in %age	<1%	Hathway:- HR(1.00%),UP(1.00%)

CHAPTER SIX

PERFORMANCE OF CABLE TV, DTH AND RADIO BROADCASTING SERVICES

6.1 Cable TV Services The following figure depicts the maximum number of FTA channels, Pay channels and local channels being carried by the MSOs in their network across the country. The Figure 6.1 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 comb inations of pay, FTA and Local channels in their network.

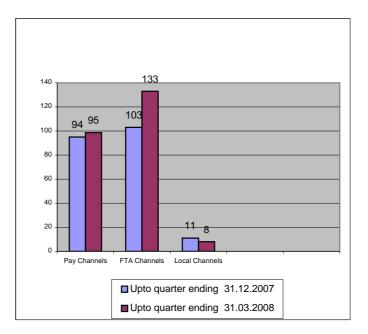
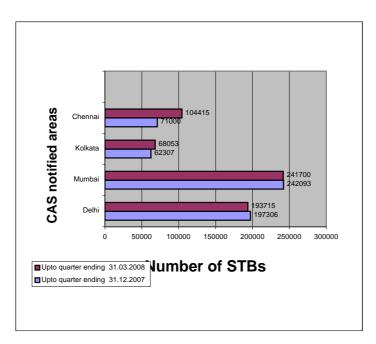


Figure 6.1 : Maximum Number of Channels

- 6.2 The maximum number of Free-to-Air (FTA) and Pay Channels reportedly being carried in the cable networks are 133 and 94 respectively in this quarter. However, these numbers relate to different networks and hence cannot be added for arriving at the total number of channels.
- 6.3 At the end of December, 2007, there are 572706 number of set -top box (STB) installed in CAS notified area of Delhi, Mumbai Kolkata and Chennai. Now, at the quarter ending March 2008, the number has increased to 607883 in the CAS notified areas of Delhi, Mumbai, Kolkata and Chennai. The following Figure 6.2 shows the city-wise status of STBs installed at these four places.

Figure 6.2 : Set Top Boxes (STBs)



Satellite TV Channels

6.4 At the end of March, 2008, there are reportedly 114 pay channels in existence. These 114 channels are being broadcasted / distributed by 17 broadcasters or their distributors. The list of broadcasters/distributors of pay channels alongwith the rates of pay channels for non-CAS areas is Table 6.1.

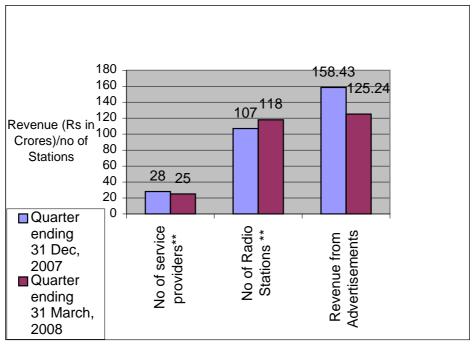
6.5 In this quarter, 4 pay channels were launched by different broadcasters. The details are as under:-

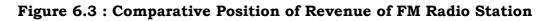
S.No	Name of the Broadcaster	Name of the pay
		channel
1	M/s UTV Global Broadcasting Ltd	World Movies
2	M/s UTV Global Broadcasting Ltd	UTV Movies
3	M/s New Delhi Television Ltd	NDTV Imagine
4	M/s Sahara India TV Network	Firangi

6.6 The list of new pay channels introduced after 26.12.2003 and list of FTA channels converted into pay channels after 26.12.2003 are also placed at Table 6.2 and Table 6.3 respectively.

6.7 During the quarter, 28 private FM Radio Stations came into operation. Apart from the FM Radio stations of All India Radio, there are 205 private FM Radio stations in operation across the country as on March 31, 2008. The list of these stations is attached as Table 6.4.

6.8 The total Advertisement Revenue up to the quarter ending December' 07 in respect of 28 FM Radio Service Providers and quarter ending March, 2008 in respect of 25 FM Radio Service Providers who have given their reports is given in the Figure 6.3 below. However, the details do not pertain to the same set of service providers.





** Some of the service providers have not reported the advertisement revenue details.

Community Radio

6.9 Upto quarter ending December 2007, there were 47 Community Radio Stations licensees and out of these, 28 were in operation. Now, at the quarter ending March, 2008, out of 49 licensees of community radio stations, 35 stations are in operation. The status of applications for community radio station licenses received in Ministry of Information and Broadcasting upto the end of March 2008 is at Table 6.5. The Figure 6. 4 below gives the status of applications for Community Radio licenses upto the quarter ending March 2008 received by Ministry of Information and Broadcasting: -

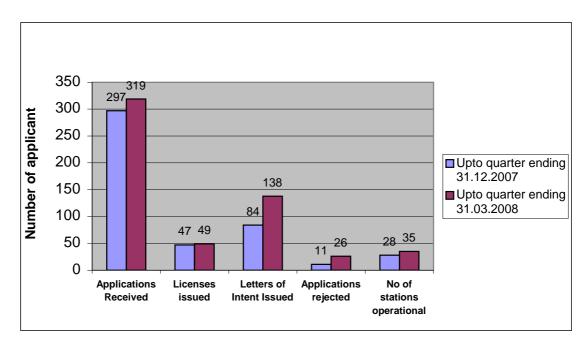


Figure 6.4 : Status of Community Radio Stations Applications

DTH Services

6.10 No DTH license was issued during this quarter. Therefore, at present, apart from free to air DTH service of Doordarshan, there are 6 private DTH licensees. The **Figure 6.5** below gives the status of applications for DTH licenses upto the quarter ending March 2008 received by Ministry of Information and Broadcasting: -

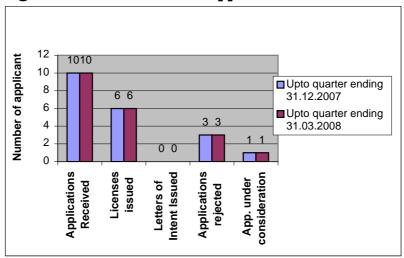


Figure 6.5: Status of DTH Applications

6.11 Out of these 6 licensees, only 3 licensees are offering pay DTH services to the customers as on 31.03.2008. The list of DTH licensees is placed at Table 6.6.

CHAPTER SEVEN

FINANCIAL DETAILS OF TELECOM SERVICE SECTOR

7.1 Revenue of Telecom Service Sector for Quarter Jan-Mar2008(F.Y. 2007-08):

- The Total revenue of the Telecom Services Sector for the Ist Quarter (April June 2007) of 2007-08 was Rs. 28,972 Crore, for the IInd Quarter (July September 2007) of 2007-08 was Rs.31,286 Crore and for the IIIrd quarter (October-December 2007) of 2007-08 was Rs.33,055 Crores thereby showing a growth of 5.66%. The total revenue for IVth Quarter (January -March2008) of 2007-08 was Rs.35,770 Crores thereby showing a growth of 8.21%.
- The total revenue of the public sector operators for the Ist and IInd Quarter of 2007-08 was Rs.9510 Crore and Rs.10717 Crore respectively, showing a growth of 11% and for the IIIrd Quarter of 2007-08 was Rs.10789 Crores showing a growth of 0.67%. For the IVth Quarter of 2007-08 was Rs.12233 showing a growth of 13.38%.
- The revenue contribution from the public sector operators for the Ist, IInd, IIIrd & IV th Quarter was 33%, 34%, 33% & 34%.
- The total revenue contribution from the private sector operators for the Ist, IInd & IIIrd quarter of 2007-08 was Rs.19462 Crore, Rs.20,569 Crore & 22,266 Crores respectively, showing a growth of 5% & 8.26% For the IVth Quarter of 2007-08 was Rs. 23,537 Crores showing a growth of 5.71%.
- > The revenue contribution from the private sector operators for the Ist , IInd , III^{rd} & IVth Quarter was 67%, 66%, 67% & 66% respectively.
- The AGR of the Telecom Services Sector for the Ist Quarter 2007-08 was Rs.22,868 Crore and for the IInd Quarter of 2007-08 was Rs.24,866 Crore there by showing a growth of 8.74% and for the IIIrd Quarter of 2007-08 was Rs.25,906 Crores thereby showing a growth of 4.18%. For the IVth Quarter of 2007-08 was Rs.27,845 Crores there by showing a growth of 7.48%.
- The AGR of the public sector operators for the Ist, IInd & IIIrd Quarter of 2007-08 was Rs.8,539 Crore, Rs.9,753 Crore & Rs.9,810 crores respectively, showing a growth of 14.22% & 0.58%. For the IVth Quarter of 2007-08 was Rs.10,417 crores showing a growth of 6.19%.
- The AGR share of public sector operators for the IInd Quarter of 2007-08 was 39% as against 37% in the Ist Quarter of 2007-08. For the IIIrd & IVth Quarter of 2007-08 was 38% respectively.
- The AGR contribution from the private sector operators for the Ist, IInd & IIIrd quarter of 2007-08 was Rs. 14,329 Crore, Rs. 15,113 Crore & Rs.16,095 Crores respectively, showing a growth of 5.47% & 6.50%. For the IVth Quarter of 2007-08 was Rs.17,427 crores showing a growth of 8.28%.

The AGR share of private sector operators for the IInd Quarter of 2007-08 was 61% as against 63% in the Ist Quarter of 2007-08. For the IIIrd & IVth Quarter of 2007-08 was 62% respectively.

Total Revenue of Tele	com Servic	e Providers (F	Rs. in Crore)	
	Ist	IInd	IIIrd	IV th
Particulars	Quarter	Quarter	Quarter	Quarter
Particulars	of 2007-	of 2007-08	of 2007-08	of 2007-
	08			08
Total Revenue	28,972	31,286	33,055	35,770
Share of public sector operators in total revenue	9,510	10,717	10,789	12,233
Share of private sector operators in total revenue	19,462	20,569	22,266	23,537
Contribution of public sector operators in total revenue	33%	34%	33%	34%
Contribution of private sector operators in total revenue	67 %	66%	67 %	66%
Total AGR	22,868	24,866	25,906	27,845
Share of public sector operators in total AGR	8,539	9,753	9,810	10,417
Share of private sector operators in total AGR	14,329	15,113	16,095	17,427
Contribution of public sector operators in total AGR	37%	39 %	38%	38%
Contribution of private sector operators in total AGR Source: Un-audited figures submit	63 %	61%	62%	62%

Table 1.1

Subscriber Base of Wireline Services as on 31st December 2007

SI.	FSO	Area of Operation	31st	December 2	2007	31	st March 200	8
No.	150	Area or operation	Urban	Rural	Total	Urban	Rural	Total
1	BSNL	All India	19973178	11738041	31711219	19939639	11612657	31552296
2	MTNL	Delhi & Mumbai	3597029	0	3597029	3678370	0	3678370
3	Bharti Airtel Ltd	Andhra Pradesh, Delhi, Gujarat, Haryana, Karnataka, Kerala, Kolkata, Madhya Pradesh, Maharashtra, Mumbai, Punjab, Rajasthan, Tamilnadu (included Chennai circle), UP-East, UP- West (including Uttaranchal) and West Bengal.	2178175	0	2178175	2283326	0	2283326
4	Tata Teleservices (Maharashtra) Ltd.	Maharastra & Mumbai	368537	182	368719	389322	11461	400783
5	Tata Teleservices Ltd	AP, TN, Chennai, Karnataka, Gujarat, Delhi, Bihar, Orissa, Rajasthan, Punjab, Haryana, Himachal Pradesh, Kerala, Madhya Pradesh, U.P. (E), U.P (W) including Uttaranchal, West Bengal and Kolkata	303706	0	303706	322167	1	322168
6	HFCL Infotel Ltd	Punjab	153767	0	153767	147595	0	147595
7	Shyam Telelink Ltd	Rajasthan	144184	14598	158782	143262	14194	157456
8	Reliance Communication Ltd	AP, Bihar, Delhi,Gujarat, Haryana, HP, KN, Kerala, MP, MH,Mumbai, Orissa, Punjab, Rajasthan,TN Chennai UP(E), UP(W), WB, Kolkata	780526	448	780974	873442	527	873969
Gran	nd Total		27499102	11753269	39252371	27777123	11638840	39415963

Details of Public Call Offices (PCO)

	Public Call Office								
S.No Service Providers		Service Providers Area of Operation		PCOs added during the quarter ending 31.03.08					
1	BSNL	All India	2051518	32065					
2	MTNL	Delhi & Mumbai	239335	-3053					
3	3 Bharti Airtel Ltd. Bharti Airtel Ltd. Andhra Pradesh, Delhi, Gujarat, Haryana, Karnataka, Kerala, Kolkata, Madhya Pradesh, Maharashtra, Mumbai, Punjab, Rajasthan, Tamilnadu (included Chennai circle), UP-East, UP-West (including Uttaranchal) and West Bengal.		202450	-1575					
4	HFCL Infotel Ltd.	Punjab	36794	-3471					
5	TATA Teleservices Ltd.	Maharashtra, Mumbai ,AP, TN, Chennai, Karnataka, Gujarat, Delhi, Bihar, Orissa, Rajasthan, Punjab, Haryana, Himachal Pradesh, Kerala, Madhya Pradesh, U.P. (E), U.P (W) including Uttaranchal, West Bengal and Kolkata	1568607	113654					
6	6Reliance Communications Ltd.Karnataka, Gujarat, Delhi, Bihar, Orissa, Rajasthan, Punjab, Haryana, Himachal Pradesh, Kerala, Madhya Pradesh, U.P. (E), U.P (W) including Uttaranchal, West Bengal and Kolkata		2045500	148116					
7	Shyam Telelink Ltd.	Rajasthan	41700	-1853					
	TOTAL		6185904	283883					

Table 1.3

Details of Village Public Telephones (VPT)

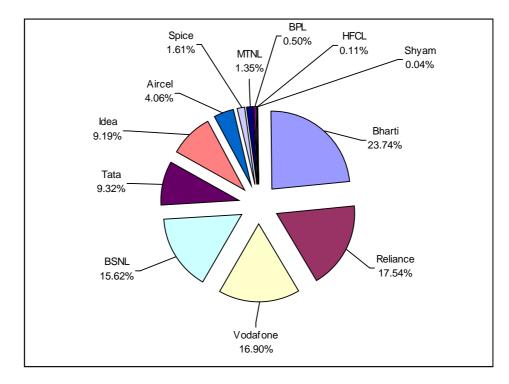
	VILLAGE PUBLIC TELEPHONES								
S.No	Service Providers Area of Operation		VPTs as on 31.03.08	Achievement during the Qtr. ending 31.03.08					
1	BSNL	All India	519616	1547					
2	MTNL	Delhi & Mumbai	0	0					
3	Bharti Airtel Ltd.	Andhra Pradesh, Delhi, Gujarat, Haryana, Karnataka, Kerala, Kolkata, Madhya Pradesh, Maharashtra, Mumbai, Punjab, Rajasthan, Tamilnadu (included Chennai circle), UP-East, UP-West (including Uttaranchal) and West Bengal.	0	0					
4	HFCL Infotel Ltd.	Punjab	299	-18					
5	Tata Teleservices (Maharashtra) Ltd.	Maharastra & Mumbai	2542	0					
6	TATA Teleservices Ltd.	 AP, TN, Chennai, Karnataka, Gujarat, De lhi, Bihar, Orissa, Rajasthan, Punjab, Haryana, Himachal Pradesh, Kerala, Madhya Pradesh, U.P. (E), U.P (W) including Uttaranchal, West Bengal and Kolkata 	29921	27847					
7	Reliance Communications Ltd.	AP, Bihar, Delhi, Gujarat, Haryana,HP, Karnataka, Kerala, MP, Maharashtra, Mumbai Orissa, Punjab, Rajasthan, TN, Chennai, UP(E), UP(W),West Bengal Kolkata	4115	0					
8	Shyam Telelink Ltd.	Rajasthan	3010	0					
		TOTAL	559503	29376					

(Note: the total number of villages in India has been shown as per census 2001(as reported by BSNL). In census, 1991, total number of villages were 607491 which have been reduced to 593485 as per census 2001).

Subscriber Dase of Wherebs operators									
Wireless Group (With	Subscribers Base	Rural	Percentage	Market Share	Technology				
number of Circle)	as on Mar 08	Subscribers	of rural	(in %age)	used				
	(in Millions)	(in millions)	subscribers	Of Internet					
				Subscribers					
Bharti (23)	61.98	15.76	25.43	23.74%	GSM				
Reliance (23)	45.79	8.95	19.53	17.54%	GSM & CDMA				
Vodafone/Hutchison(16)	44.13	13.14	29.77	16.90%	GSM				
BSNL (21)	40.79	13.74	33.69	15.62%	GSM & CDMA				
Tata (20)	24.33	1.55	6.37	9.32%	CDMA				
Idea (11)	24.00	5.40	22.49	9.19%	GSM				
Aircel (9)	10.61	3.29	30.99	4.06%	GSM				
Spice (2)	4.21	0.46	8.79	1.61%	GSM				
MTNL (2)	3.53	0.00	0	1.35%	GSM & CDMA				
BPL (1)	1.29	0.00	0	0.50%	GSM				
HFCL (1)	0.30	0.002	0.70	0.11%	CDMA				
Shyam (1)	0.11	0.001	0.55	0.04%	CDMA				
Total	261.07	62.28	23.86	100					

Subscriber Base of Wireless Operators

Market Share of Wireless Service Providers as on 31st March 2008



Market Share of Wireless (GSM + CDMA) Operators

GSM Group	No of Subscribers (in Millions)	Market Share (in %age)
Bharti	61.98	32.16
Vodafone	44.13	22.90
BSNL	36.21	18.79
Idea	24.00	12.46
Aircel	10.61	5.51
Reliance	7.02	3.64
Spice	4.21	2.18
MTNL	3.24	1.68
BPL	1.29	0.67
Total	192.70	

a) <u>The market share of different GSM Service Providers is given below:</u>

Source: Service Providers

b) The market share of different CDMA Service Providers is given below:

Company Name	No of Subscribers (in Millions)	Market Share (in %age)
Reliance	38.78	56.72
Infocomm		
Tata Teleservices	24.33	35.59
BSNL	4.58	6.70
MTNL	0.28	0.41
HFCL	0.30	0.44
Shyam Telelink	0.11	0.16
Total	68.37	

Source: Service Providers

Growth Pattern of Wireless Subscribers Base

Wireless Subscriber Base:

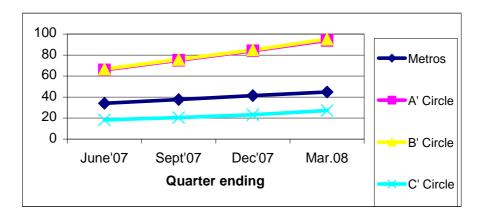
> The market share distribution among Metros & Circles A to C is given below:

<u>Circle</u>	No. of Subscribers	Market Share
Metros	44.81 million	17.16%
Circles 'A'	93.95 million	35.99 %
Circles 'B'	95.09 million	36.42 %
Circles 'C'	27.22 million	10.43 %

> The details of subscriber base in various categories of service areas for the last four quarters are given below:

Category	No. of Service Areas	June'07	Sept.'07	Dec.′07	Mar'08	% Growth in Dec.'08
			Figures	(in millions)		
Metros	4	34.06	37.71	41.47	44.81	8.06
A' Circle	5	65.92	75.065	84.11	93.95	11.70
B' Circle	8	66.63	75.79	84.80	95.09	12.13
C' Circle	6	18.31	20.51	23.24	27.22	17.14

Growth Trend of Wireless Subscribers



Subscribers Base of Internet Services

		1				
		ry				
		Category		•		
01		lte	Geographical	Quarter	Quarter	0/
S1	Name of the Service Provider	ů	area of	ending Mar- 08	-	% Growth
No.		٨	operation		07	
1	Bharat Sanchar Nigam Ltd.	A	All India	5640191	4992485	12.97
2	Mahanagar Telephone Nigam Ltd.	В	Delhi & Mumbai	1899747	1851291	2.62
3	Bharti Airtel Ltd. (Bharti Televentures Ltd.)	Α	All India	815360	753754	2.02 8.17
3	Reliance Communications Infrastructure	A	All India	815500	753754	0.17
4	Limited	~	All India	696440	628832	10.75
5	Sify Technologies Ltd.	Α	All India	576047	707609	-18.59
	Tata Communications Limited (Videsh	~	All Illula	570047		-10.05
6	Sanchar Nigam Ltd.)	Α	All India	448146	459430	-2.46
7	Hathway Cable & Datacom Pvt. Ltd.	Α	All India	201212	175671	14.54
8	Data Infosys Ltd.	A	All India	199854	199854	0.00
9	YOU Telecom India Pvt. Ltd.	A	All India	185450	177810	4.30
	Asianet Satellite Communications Ltd.	B	Kerala	55435	52428	5.74
10			Punjab Telecom	00100		0.11
11	HFCL Infotel Ltd.	В	Circle	46602	43689	6.67
	HCL Infinet Ltd.	Α	All India	42600	42490	0.26
	Punj Lloyd (Spectra Net Ltd.)	A	All India	31116	28650	8.61
	Shyam Internet Services Ltd	B	Rajasthan	25523	25465	0.23
	······································		Andhra			
15	Beam Cable System Pvt. Ltd.	В	Pardesh	24387	22720	7.34
	Tata Teleservices (Maharashtra) Ltd.				100.17	
16	(Hughes Telecom)	A	All India	22606	18945	19.32
	Hughes Communications India Ltd.	Α	All India	22504	19891	13.14
	Ortel Communication Ltd.	В	Orissa	19329	17860	8.23
19	Vodafone Essar Gujarat Ltd. (Fascel Ltd.)	В	Gujarat	18001	18001	0.00
	Alliance Broadband Services Pvt. Ltd.	В	Kolkata	13903	11980	16.05
21	Broadband Pacenet (I) Pvt. Ltd.	Α	Mumbai	12470	12999	-4.07
22	In2cable (I) Ltd.	Α	All India	9206	8304	10.86
	West Bengal Electronics Industry				7917	
23	Development Corp. Ltd.	В	Kolkata, WB	6710	7917	-15.25
24	Swiftmail Communications Ltd.*	Α	All India	6456	6456	0.00
25	Trikon Electronics Pvt. Ltd.	В	Mumbai	6016	5881	2.30
	Ankhnet Informations Pvt. Ltd.	В	Mumbai	5465	5816	-6.04
	Rajesh Multi Channel Pvt. Ltd.	В	Mumbai	4737	3577	32.43
	Trak Online Net India Pvt.Ltd	Α	All India	4580	4958	-7.62
29	WWW Communications Ltd.	В	Delhi	4198	4155	1.03
	VSNL Internet Services Ltd. (DIL Internet	А	All India		8368	
	Ltd.(Primus Telecommunications))			3791		-54.70
	Spacenet Internet Services Pvt Ltd	В	Delhi	3559	3136	13.49
32	HCL Comnet Systems & Services Ltd.	Α	All India	3243	3236	0.22
-	Wire & Wireless (I) Ltd. (Siti Cable Network	_			3485	
33	Ltd)	A	All India	3096	5.00	-11.16
	Hathway Bhawani Cabletel & Datacom Pvt.	В	Mumbai		2273	• • •
	Ltd.			2499		9.94
	Geocity Network Solutions Pvt. Ltd.	В	Delhi	2008	2126	-5.55
-	Bhupati Hotels Pvt Ltd	С	Visakhapatnam	1904	1586	20.05
	CJM Consultancy Services Pvt. Ltd.	В	Delhi	1618	1305	23.98
38	Value Healthcare Ltd.	В	Mumbai	1598	1527	4.65

	Teoret not Timited*	Б	Containat	1400	1490	0.00
	Icenet.net Limited*	B	Gujarat	1490		0.00
	Star Broadband Services (I) Pvt Ltd*	B	Delhi	1407	1407	0.00
41	Dishnet Wireless Ltd.	A	All India	1329	890	49.33
	Broadlane Networks Pvt. Ltd.	С	Dombivli,	1010	1112	10.00
42			Maharastra	1249		12.32
43	Cable Combine Communication Pvt. Ltd.	С	Siliguri SSA	1235	1121	10.17
	Digital2Virtual ISP Pvt. Ltd.	В	Gujarat	1046	1125	-7.02
	Space Online Ltd	В	Gujarat	1023		
	ERNET India	А	All India	1020	1016	0.39
	Kelnet Communication Services Pvt. Ltd	С	Trivandrum	993	1142	-13.05
48	Tulip IT Services Ltd.	Α	All India	920	890	3.37
			Andhra		2591	
	Pioneer eLabs Ltd (Pioneer Online Pvt. Ltd)	В	Pradesh	908	2071	-64.96
50	North East Dataa Network Pvt Ltd	В	Karnataka	883	1001	-11.79
51	Sanchar Telenetwork Pvt Ltd	С	Bhavnagar SSA	880		
52	Rajesh Patel Net Services Pvt. Ltd.	С	Indore(MP)	851		
53	Blazenet Ltd.*	В	Gujarat	834	834	0.00
			Coimbatore		740	
54	ISP Solutions India Pvt. Ltd.	С	SSA	748	743	0.67
			Punjab, Karnal,		1010	
55	Sab Industires Ltd. (Sab Infotech)	B,C	Ambala, Hisar	655	1019	-35.72
56	Gomti Cable Network Pvt. Ltd.*	С	Lucknow SSA	631	631	
		_	Andhra			
57	Southern Online Bio Technologies Ltd.	В	Pradesh	594	621	-4.35
58	Software Technology Park of India (STPI)	А	All India	588		
59	Speed Online.net Pvt. Ltd.	С	Rajkot	529	490	7.96
	Ice Network Private Limited	В	Bangalore	527	589	-10.53
61	NetMagic Solutions(P) Ltd.	A	All India	523	464	12.72
	Quest Consultancy Pvt. Ltd.	C	Valsad SSA	495	513	-3.51
	F/X Wireless Technology Solutions Pvt Ltd	B	Mumbai	469	393	19.34
64	Bohra Pratisthan Pvt. Ltd.	C	Udaipur SSA	460	528	-12.88
		-	Andhra			
65	Amber Online Services Ltd.*	В	Pradesh	453	453	
	iPath India Pvt. Ltd.		Ernakulam SSA	442	502	-11.95
	Bhiwani Communications Pvt. Ltd.	C	Rohtak	408	373	9.38
	Rida Communication Pvt. Ltd.	C	Aligarh SSA	360	372	-3.23
		-	Delhi &			
69	delDSL Internet Pvt Ltd	B & C		335		
	Micky Online Pvt Ltd.	C	Moradabad	310	350	-11.43
	Multinet (Udaipur) Pvt. Ltd.	C	Udaipur SSA	283	308	-8.12
72	Netcom Online Solutions India Pvt Ltd	B	Tamil Nadu	268	253	5.93
	Khetan Cable Network (P) Ltd	C	Indore SSA	263	265	-0.75
74	Karuturi Networks Ltd.*	B	Karnataka	230	230	
			Imiliatana	200	200	+
75	Rainbow Communications (India) Pvt Ltd	С	Salem SSA	228		
76	Pacific Internet India Pvt. Ltd.	A	All India	222	208	6.73
			Jamshedpur	444		5.15
77	Eastern Teleservices Pvt Ltd	С	SSA	211	192	9.90
	Atria Convergence Technologies Pvt. Ltd.*	B	Karnataka	202	202	2.20
10	initia convergence reenhologies rvt. Dut.		Kolkata &	202	404	++
	Descon Ltd.	B&C	Burdwan		137	
79			District	197	107	43.80
80	Quick Online Pvt. Ltd.	С	Ghaziabad SSA	197	199	-2.51
50	Verizon Communications India Pvt. Ltd.			174		-2.01
81	(Worldcom Communications)	А	All India	193	192	0.52
51			Tamil Nadu	170		0.02
	Mynet Services India Pvt. Ltd.	С	SSA	186	165	12.73
X'7						
82 83	Vainavi Industries Ltd. (MAC Info Pvt. Ltd.)	В	Andhra	175	150	16.67

		Pradesh			
BT Global Communications India Pvt. Ltd.	А	All India		169	
84 (i2i Enterprise Ltd.)	~		165	109	-2.37
85 Primenet Global Ltd.	Α	All India	150	161	-6.83
	_	Tamil Nadu		144	
86 R.S. Broadband Service Pvt Ltd *	В	SSA	144		
		Andhra Pradesh &		106	
87 City Online Services Ltd.	в	Karnataka	123	100	16.04
88 Aeroway Networks Pvt Ltd	C	Mysore SSA	116		10.04
DCT Networks Pvt Ltd (Manipal Software	Ť				
89 Pvt. Ltd.)	А	All India	106	91	16.48
90 Guj Info Petro Ltd. (GIPL)	Α	Gujarat	106	103	2.91
91 Reach Network India Pvt. Ltd.	Α	All India	95	83	14.46
92 World Phone Internet Services Pvt LTd	Α	All India	84	58	44.83
93 Tarang Communications Pvt. Ltd.	С	Guwahati SSA	83		
Karuturi Telecom Private Limited(Estel	А	All India			
94 Communications Pvt. Ltd).			80	81	-1.23
OF Decidentials Internet Commission Commission Date 14 1th		Coimbatore	70	79	
95Readylink Internet Services Corai Pvt Ltd*96Shri Vinayagaa Internet Pvt Ltd	C C	SSA Madurai SSA	<u>79</u> 76	76	
97 Adya Tech One Services Pvt Ltd*	C	Ghaziabad SSA	76	76 73	
Mylai Karpagambal Information Systems (P)	C	Gliaziabau SSA	15		
98 Ltd.	В	Chennai	69	76	-9.21
99 ISP Services (India) Pvt. Ltd.	C	Trichy	68	68	
100 Harisree Cable Net Pvt. Ltd.	C	Kanpur SSA	68	119	-42.86
101 Konark Infocomm Pvt Ltd	С	Ghaziabad SSA	62	62	
		Andhra		47	
102 Nettlinx Ltd.	В	Pradesh	61		29.79
103 STN Communication & Advertising Pvt Ltd.	С	Guwahati	56	52	7.69
104 Bharti Broadband Ltd	A	ALL INDIA	54	54	
105 Gateway Systems (I) Ltd.	A	All India	53	71	-25.35
Nextgen Communications Ltd (RPG Infotech 106 Ltd. (Sprint RPG India))	A	All India	53		
100 Ltd. (Sprint Kro India)) 107 Swastik Netvision Telecom P. Ltd.	В	Gujarat	37	33	12.12
108 Eronet Broadband Service India Pvt. Ltd.*	C	Erode	37	37	12,12
109 CJ Online Pvt. Ltd.	C	Ghaziabad	31	28	10.71
		Jamshedpur	_		
110 Maple PC & Peripherals Pvt Ltd	С	SSA	31	54	-42.59
		J&K,		31	
111 Conjoinix Technologies Pvt Ltd	С	Chandigarh	26	51	-16.13
Kerala State Electronics Development Corp.	-	Thiruvanathap		185	
112 Ltd.(Keltron)	C	uram	25		-86.49
113 Chemical And Metallurgical Design Co. Ltd	B A	Delhi	24 23	23 23	4.35
114 Nelco Ltd.*	A	All India Andhra	23	23	
115 Online Media Solutions Ltd.	в	Pradesh	22	22	
116 Global One India Pvt Ltd	A	All India	21	27	-22.22
117 United Villages Networks Pvt Ltd	C	Bhuvaneshwar	16		
_	1	Chennai &		-	
118 Pulse Telesystems Pvt. Ltd.	B & C	Pondicherry	11	7	57.14
Centre for Development of Advanced				11	
119 Computing, C-DAC	С	Ghaziabad SSA	11	**	
		Mumbai,			
Virtela India Pvt. Ltd.	B&C	Bangalore,	11	12	8 22
120		Gurgaon	11		-8.33
121 Direct Internet Ltd.	B&C	Delhi, Gurgaon, Noida	10	10	
121 122 My Own Infotech Pvt. Ltd.	С	Surat SSA	10		
122 miy Own iniotech Pvt. Ltd.	U U	Surat SSA	10	I	

123	Power Grid Corporation of India Ltd.	Α	All India	10	10	
124	GTL Ltd.	А	All India	8	8	
125	Godrej Infotech Ltd.*	В	Mumbai	7	7	
126	Tata Internet Services Ltd.	Α	All India	6	6	
	Pan India Network Infravest Pvt. Ltd. (Cyquator Technologies Ltd.)	В	Mumbai, Navi Mumbai	5	5	
128	ABT Ltd.	С	Coimbatore SSA	4	4	
129	National Stock Exchange of India Ltd	Α	ALL INDIA	3	3	
130	Manipal Ecommerce Ltd.*	В	Karnataka	3	3	
131	Opto Network Pvt. Ltd.	Α	All India	2	2	
	Compucom (I) Pvt. Ltd.	С	Jaipur	2	2	
133	Apna Telelink Ltd.	С	Jalandhar	1	0	
134	L&T Finance Ltd. (L&T Netcom Ltd.)	Α	All India	1	19	-94.74
135	Spectrum Softech Solutions Pvt. Ltd.	С	Ernakulam SSA	0	0	
136	Gujrat Narmada Valley Fertilizer Co. Ltd. (GNFC)	А	All India	0	0	
137	VSNL Broadband Ltd.	Α	All India	0	0	
	Gujarat State Petroleum Corporation Ltd. (GSPC)	В	Gujarat	0	0	
	TOTAL			11097499	10363466	7.08

Table 4.1

Subscriber Base of Public Mobile Radio Trunking Services (PMRTS)

Sr.	Name of the Service	Subscriber	Subscriber	%age	%age in
No.	Provider	Base as on		Growth in	Market
		31.12.2007		Subscribers	Share
1	Aryadoot Transport Pvt Limited	1574	1649	4.76	4.55
2	Jet-Aiu Skyline Transport Pvt Ltd.	456	511	12.06	1.41
3	Container Movement (Bombay) Transport Pvt Ltd.	5	5	0.00	0.01
4	Arya Offshore Services Pvt Ltd.	1319	1368	3.71	3.77
5	German Express Shipping Agency (India) Pvt Ltd. (Hapag Llyod)	935	887	-5.13	2.45
6	United Liner Agencies of India (Pvt) Ltd	1975	2100	6.33	5.79
7	Procall Limited	9141	9192	0.56	25.36
8	The Arvind Mills Ltd.	10833	11817	9.08	32.61
9	Smartalk Pvt Limited	2507	2449	-2.31	6.76
10	QuickCall	4578	4668	1.97	12.88
11	Bhilwara Telenet Services Pvt Limited	1322	1392	5.30	3.84
12	India Satcom Ltd.	180	202	12.22	0.56
	Total	34825	36240	4.06	100.00

Table 4.2

Subscriber Base of VSAT Service Providers

S.No	Name of Service	Quarter	ending	%age growth	%age Market Share
·	Provider	Dec,2007	March,2008	rate	
1	Hughes Communications Ltd.	22416	25464	13.60	31.28
2	HCL Comnet	22416	23050	2.83	28.32
3	Bharti Airtel Limited, Bangalore	10019	18193	81.58	22.35
4	Bharti Broadband	5155	5276	2.35	6.48
5	Essel Shyam	2487	2647	6.43	3.25
6	Tatanet Services	4870	5069	4.09	6.23
7	ITI	46	45	-2.17	0.06
8	GNFC	0	0	0.00	0.00
9.	BSNL		1651	NA	2.03
	Total	67409	81395	20.75	100.00

	List of Broadcasters alongwith their pay channels					
<i>S</i> .	Name of the	S.No	Name of the	Reported	Remarks	
No	Broadcaster		channel	Rates(in		
				INR)		
1	M/s Zee-	1	Zee TV	13.10		
	Turner	2	Zee Cinema	13.10		
	Limited	3	Cartoon Network	12.50		
		4	Zee Marathi	08.00		
		5	CNBC TV 18	07.50	This channel was reported	
					as distributed upto	
					31.03.2008.	
		6	Zee News	07.50		
		7	CNN	01.50		
		8	Zee Café	08.00		
		9	Zee Studios	07.00		
		10	Zee Bangla	08.10		
		11	Zee Gujrathi	01.50		
		12	Zee Punjabi	01.50		
		13	Zee Trendz	01.00		
		14	Reality TV	01.50		
		15	HBO	15.60		
		16	POGO	12.50		
		17	CNN-IBN	02.00	This channel was reported	
					as distributed upto	
					31.03.2008.	
		18	CNBC Awaaz	03.50	This channel was reported	
					as distributed upto	
					31.03.2008.	
		19	Zee Business	04.80		
		20	Zee Classic	10.00		
		21	Zee Action	10.00		
		22	Zee Premier	11.20		
		23	Zee Sports	10.40		
		24	Zee Telugu	10.40		
		25	Zee Kannada	07.46		
		26	Play TV	04.00		
		27	ETC Punjabi	09.00		
		28	ETC	03.00		
		29	Zee Music	05.00		
		30	Zee Jagran	02.00		
		31	Zee Smile	06.14		
		32	24 Ghante	06.00		
		33	24 Taas	08.50		
		34	Zee Talkies	15.50		

List of Broadcasters alongwith their pay channels

		35	Zee Next	20.00	
2	M/s MSM Discovery India Private	36	SET(Sony Entertainment Television)	20.00	
	Limited	37	MAX	20.00	Acceptance of advised pricing at Rs. 17.00 is awaited from b'caster.
		38	Discovery	20.00	Acceptance of advised pricing at Rs. 15.00 is awaited from b'caster.
		39	Animal Planet	05.00	
		40	AXN	17.00	Acceptance of advised pricing at Rs. 14.50 is awaited from b'caster.
		41	Animax	02.00	
		42	Discovery Travel and Living	09.00	
		43	SAB TV	15.00	Rs. 13.74 w.e.f. 1 st April, 2008.
		44	SET PIX	12.00	
		45	MTV	08.00	Acceptance of advised pricing at Rs. 07.00 is awaited from b'caster.
		46	NICK	06.00	
	-	47	VH1	03.00	
		48	NDTV 24X7	09.00	Acceptance of advised pricing at Rs. 08.50 is awaited from b'caster.
	-	49	NDTV Profit	06.00	
		50	Ten Sports	15.00	
		51	Aaj Tak	07.00	
		52	Headlines Today	03.00	
		53	Tez	02.00	
3	M/s	54	SUN TV	12.40	
	Channel	55	Gemini TV	10.30	
	Plus	56	Udaya TV	11.50	
		57	K TV	15.00	
		58	Teja TV	05.30	
		59	Udaya Movies	14.40	
		60	Sun Music	07.00	
		61	Gemini Music	07.00	
		62	Sun News	01.40	
		63	Gemini News	07.50	
		64	Udaya Varthegalu	07.35	

		65	Gemini Cable Vision	17.00	
		66	Adithya	03.00	
		67	Teja News	01.60	
		68	Ushe	15.00	
		69	Udaya News	01.50	
4.	M/s STAR	70	Star Plus	17.50	
	DEN Media	71	Star Gold	16.50	
	Services	72	Star Movies	16.50	
	Private	73	Star World	04.55	
	Limited	74	Vijay TV	04.00	Rate of this channel is Rs. 11.80 in Tamilnadu
		75	NGC	05.75	
	The	76	The History	04.40	
	discounts if		Channel		
	any, given on bouquet rate to	77	Channel (V)	01.00	
	existing	70	Chair On a	20 50	
	affiliate(s)	78	Star One	20.50	
	will also be	79	The Disney	08.90	
	extended to	80	Channel Team Dismour	08.90	
	a-la-carte	80 81	Toon Disney	08.90	
	rate(s) in the	81	Hungama Times Now	07.80	
	same	82 83	Zoom	08.50	
	proportion as the discounted bouquet rate.	03	Zoom	07.80	
5.	M/s	84	ETV	10.00	
	Ushodaya Enterprises Private	85	ETV 2	05.60	
	Limited	86	ETV Bangla	10.40	
		87	ETV Marathi	10.40	
		88	ETV Kannada	10.40	
		89	ETV Gujarathi	10.40	
		90	ETV Oriya	10.40	
6.	M/s UTV Global Broadcasting Limited	91	Bindass	10.00	
	Linneed	92	Bindass Movies	10.00	

		93	World Movies	10.00	Newly launched channel, reported vide letter dated
		94	UTV Movies	15.00	11th February, 2008Newlylaunchedreportedvideletterdated
7.	M/s BBC World India Private Limited	95	BBC World	05.00	11 th March, 2008
		96	BBC Entertainment	06.50	
		97	Cbeebies	06.50	
8.	M/s ESPN Software India Private	98	ESPN	33.13	
	Limited	99	Star Sports	33.13	
		100	Star Cricket	28.00	
9.	M/s Raj Television	101	Raj TV	11.00	Rate is Rs. 07.72 in Andhra Pradesh
	Limited	102	Raj Digital Plus	07.72	Rate is Rs. 04.68 in Andhra Pradesh
		103	Vissa TV	04.68	Rate is Rs. 11.00 in Andhra Pradesh
10.	M/s INX Media Private	104	9XM	07.00	Newly launched channel, reported vide letter dated 5 th December, 2007
	Limited	105	9X	20.50	
		106	NewsX	08.50	Newly launched channel, reported vide letter dated 1 st April, 2008
11.	M/s Neo Sports Broadcast Private Limited	107	NEO Sports Plus	34.00	Acceptance of advised pricing at Rs. 33.13 or less is awaited from b'caster.
		108	NEO Sports	24.00	

12.	M/s New Delhi Television Limited	109	NDTV 'Imagine'	20.50	Newly launched channel, reported vide letter dated 24 th January, 2008
13.	M/s Sahara India TV Network	110	Firangi	15.00	Newly launched channel, reported vide letter dated 12 th February, 2008
14.	M/s B4U Television Network (India) Private Limited	111	B4U Movies	06.00	
15.	M/s MAA Television Network Limiter	112	MAA TV	05.50	
16.	M/s TV Today Network Limited	113	Dilli Aaj Tak	08.50	
17.	M/s Allied Infotainment Distribution Private Limited	114	E-24	15.00	Newly launched channel, reported vide letter dated 10 th March, 2008

Table 6.2List of new pay channels introduced after 26.12.2003

	List of new pay channels introduced after 26.12.2003				
S.No.	Name of the Channel	Name of Broadcaster / Distributor	Date of launching of channel		
1	Pogo ^{\$}	Zee Turner Ltd	January 2004		
2	Zee Action (Action Cinema)	Zee Turner Ltd	April 2004		
3	Zee Premier (Premier Cinema)	Zee Turner Ltd	April 2004		
4	Zee Classic (Classic Cinema)	Zee Turner Ltd	April 2004		
5	Zee Select (MX)	Zee Turner Ltd	April 2004		
6	Animax India	Set Discovery P Ltd	05.07.2004		
7	Discovery – Travel & Living	Set Discovery P Ltd	16.08.2004		
8	Hangama TV	Star India P Ltd	26.09.2004		
9	ZOOM	Distributed by M/s Star India Private Limited	11.10.2004 (Informed)		
10	Star One	Star India P Ltd	01.11.2004		
11	VH 1	M/s Set Discovery Private Limited	December' 04		
12	ESPN Plus	ESPN Software India Private Limited	15.12.2004		
13	Toon Disney	Star India P Ltd	17.12.2004		
14	Disney Channel	Star India P Ltd	17.12.2004		
15	Awaaz	Zee Turner Ltd	01.01.2005		
16	Zee Business News	Zee Turner Ltd	01.01.2005		
17	Channel [V] International	Star India P Ltd	17.02.2005 (Informed)		

18	NDTV Profit	Set Discovery P Ltd	01.04.2005
19	ZEE SPORTS	ZEE Turner Ltd	01.06.2005
20	SAB TV	Set Discovery P Ltd	01.06.2005
21	Adithya Music ^{\$}	M/s Sun TV Network Limited	01.12.2005
22	Teja News ^{\$}	M/s Sun TV Network Limited	01.12.2005
23	Times Now ^{\$}	Distributed by M/s Star India Private Limited	31.01.2006
24	SET PIX	M/s Set Discovery Private Limited	01.04.2006
25	NDTV 24X7	Set Discovery P Ltd	05.04.2006
26	Zee Kanada	M/s Zee Turner Limited	14.07.2006
27	Zee Telegue	M/s Zee Turner Limited	14.07.2006
28	Play TV	M/s Zee Turner Limited	14.07.2006
29	ETC Punjabi	M/s Zee Turner Limited	14.07.2006
30	ETC	M/s Zee Turner Limited	14.07.2006
31	Zee Music	M/s Zee Turner Limited	14.07.2006
32	Zee Jagran	M/s Zee Turner Limited	14.07.2006
33	Zee Smile	M/s Zee Turner Limited	14.07.2006
34	24 Ghante	M/s Zee Turner Limited	14.07.2006
35	NEO Sports	M/s Nimbus Sports Broadcast Private Limited	29.09.2006 Informed
36	NEO Sports Plus	M/s Nimbus Sports Broadcast Private Limited	29.09.2006 Informed
37	TCN Turner Classic Movies	M/s Turner International India Pvt Ltd	13.04.2007

Boomerang	M/s Turner International India Pvt Ltd	13.04.2007
MAA TV	M/s MAA Television Limited	
BBC Entertainment	M/s BBC World India Private Limited	15.06.2007
24 Taas	M/s Zee Turner Limited	11.06.2007
Zee Talkies	M/s Zee Turner Limited	11.06.2007
Star Cricket	M/s ESPN Software India Private Limited	22.06.2007
Bindass	M/s UTV Global Broadcasting Limited	01.08.2007
9XM	M/s INX Media Private Limited	12.09.2007
9X	M/s INX Media Private Limited	12.09.2007
Bindass Movies	M/s UTV Global Broadcasting Limited	24.09.2007
Zee Next	M/s Zee Turner Limited	19.11.2007
CBeebies (Kids)	M/s BBC World India Private Limited	15.11.2007
World Movies	M/s UTV Global Broadcasting Ltd	11.02.2008
UTV Movies	M/s UTV Global Broadcasting Ltd	11.03.2008
NDTV Imagine	M/s New Delhi Television Ltd	24.01.2008
Firangi	M/s Sahara India TV Network	12.02.2008
	MAA TV BBC Entertainment 24 Taas Zee Talkies Star Cricket Bindass 9XM 9X 9X 9X 9X 9X Bindass Movies Zee Next CBeebies (Kids) World Movies UTV Movies NDTV Imagine	MAA TVM/s MAA Television LimitedBBC EntertainmentM/s BBC World India Private Limited24 TaasM/s Zee Turner LimitedZee TalkiesM/s Zee Turner LimitedStar CricketM/s ESPN Software India Private LimitedBindassM/s UTV Global Broadcasting Limited9XMM/s INX Media Private Limited9axM/s UTV Global Broadcasting LimitedStar CricketM/s UTV Global Broadcasting Limited9XMM/s INX Media Private Limited9XM/s INX Media Private Limited9XM/s UTV Global Broadcasting LimitedVorld MoviesM/s UTV Global Broadcasting LimitedWorld MoviesM/s UTV Global Broadcasting LtdUTV MoviesM/s UTV Global Broadcasting LtdNDTV ImagineM/s New Delhi Television Ltd

Table 6.3List of pay channels converted from FTA after 26.12.2003

	List of pay channels converted from FTA after 26.12.2003					
S.No.	Name of the Channel	Name of Broadcaster /Distributor	Date of conversion of channel from FTA to Pay.			
1	MTV	Set Discovery Private Limited	01.05.2004			
2	UDAYA TV	M/s Sun TV Network Limited	07.10.2004 (Informed)			
3	Ushe TV	M/s Sun TV Network Limited	07.10.2004 (Informed)			
4	Udaya News	M/s Sun TV Network Limited	07.10.2004 (Informed)			
5	ETV ^{\$}	Ms Ushodaya Enterprises Limited	18.01.2006			
6	ETV 2 ^{\$}	Ms Ushodaya Enterprises Limited	18.01.2006			
7	DAN Cinema	M/s Dan Television Private Limited	06.03.2006			
8	DAN Music	M/s Dan Television Private Limited	06.03.2006			
9	DAN Tamil OZHI	M/s Dan Television Private Limited	06.03.2006			
10	EURO News	M/s Dan Television Private Limited	06.03.2006			
11	TRACE TV	M/s Dan Television Private Limited	06.03.2006			
12	BBC World	M/s BBC Worldwide India Private Limited	15.06.2006			
13	CNN IBN	Distributed by M/s Zee Turner Ltd	15.08.2006			
14	Sahara One	M/s Sahara India TV Network	01.09.2006			
15	Filmy	M/s Sahara India TV Network	01.09.2006			

16	ETV-Bangla	M/s Ushodaya Enterprises Ltd	09.11.2006
17	Udaya Movies	M/s Sun TV Network Limited	15.11.2006
18	Udaya Vathegalu	M/s Sun TV Network Limited	15.11.2006
19	Gemini Music	M/s Sun TV Network Limited	15.11.2006
20	Gemini News	M/s Sun TV Network Limited	15.11.2006
21	Gemini Cable Vision	M/s Sun TV Network Limited	15.11.2006
22	ETV-Kanada	M/s Ushodaya Enterprises Ltd	15.11.2006
23	SUN TV	M/s Sun TV Limited	02.12.2006
24	ETV-Oriya	M/s Ushodaya Enterprises Ltd	11.01.2007
25	ETV-Gujrathi	M/s Ushodaya Enterprises Ltd	15.03.2007
26	ETV-Marathi	M/s Ushodaya Enterprises Ltd	15.03.2007
27	Aaj Tak	M/s Set Discovery Private Limited	12.11.2007
28	Headline Today	M/s Set Discovery Private Limited	12.11.2007
29	Tez	M/s Set Discovery Private Limited	12.11.2007
30	Dilli Aaj Tak	M/s Today Network India Private Ltd	12.11.2007

Table 6.4

<u>List of o</u>	perationalised	<u>private FM</u>	radio Station in India

	List of operationalised private FM radio Stations in India				
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.	23.04.2002		
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		
31	CHENNAI	SUN TV	05.05.2003		
32	AGARTALA	POSITIVE RADIO	07.08.2007		
í					

34AGRASHRI PURAN MULTIMEDIA08.07 200735AHMEDABADEN.I.L.10.12.200136ALIMEDABADM.B.P.L.25.07 200737ALIMEDABADSYNERGY MEDIA21.07 200738AHMEDNAGARB.A.G. INFOTAINMENT01.03 200839AHMEDNAGARM.B.P.L.07.02 200840AJMERADLABS FILMS28/08/200741AJMERKUSHAL GLOBAL12.09 200742AJMERKUSHAL GLOBAL12.09 200743ALIGARHADLABS FILMS08.12 200644ALLAHABADADLABS FILMS01.8 200745AMRITSARADLABS FILMS01.08 200746AMRITSARADLABS FILMS01.08 200747AMRITSARPAN INDIA26.01 200847AMRITSARPAN INDIA26.01 200847AMRITSARPAN INDIA26.01 200847AMRITSARPAN INDIA20.02 00748ASANSOLADLABS FILMS99.10 200651BANGALOREADLABS FILMS09.10 200651BANGALOREADLABS FILMS01.02 00652BANGALOREKAL RADIO06.11 200653BANGALOREKAL RADIO06.11 200654BANGALOREKAL RADIO06.11 200655BANGALOREKAL RADIO06.11 200656BANGALOREKAL RADIO06.11 200657BARELYSITH PURAN MULTIMEDIA09.04 200758BHOPALSOUTH ASIA <t< th=""><th>33</th><th>AGRA</th><th>ADLABS FILMS</th><th>18.08.2007</th></t<>	33	AGRA	ADLABS FILMS	18.08.2007
36AHMEDABADM.B.P.L.25.07.200737AHMEDABADSYNERGY MEDIA21.07.200738AHMEDNAGARB.A.G. INFOTAINMENT01.03.200839AHMEDNAGARM.B.P.L.07.02.200840AJMERADLABS FILMS28/08/200741AJMERKUSHAL GLOBAL12.09.200742AJMERSYNERGY MEDIA31.08.200743ALIGARHADLABS FILMS08.12.200644AILARABADADLABS FILMS08.12.200645AMRITSARADLABS FILMS01.08.200746AMRITSARPAN INDIA26.01.200847AMRITSARSYNERGY MEDIA27.7-200748ASANSOLADLABS FILMS09.02.200649AURANGABADE.N.L.24.07.200750BANGALOREADLABS FILMS09.02.00651BANGALOREADLABS FILMS09.02.00651BANGALOREINDIA RADIO VENTURES01.10.200654BANGALOREKAL RADIO06.11.200655BANGALOREM.B.F.L10.06.200156BANGALOREKAL RADIO01.10.200657BAREILYADLABS FILMS30.03.200758BAREILYSURTH ANI MULTIMEDIA09.04.200759BHOPALADLABS FILMS20.05.200760BHOPALEN.LL26.05.200761BHOPALSUNTH ASIA24.05.200762BHOPALSUNTH ASIA24.05.200763BHUBANESHWAR/COLTHASIA <t< td=""><td>34</td><td>AGRA</td><td>SHRI PURAN MULTIMEDIA</td><td>08.07.2007</td></t<>	34	AGRA	SHRI PURAN MULTIMEDIA	08.07.2007
37AHMEDABADSYNERGY MEDIA21.07.200738AHMEDNAGARB.A.G. INFOTAINMENT01.03.200839AHMEDNAGARM.B.P.L.07.02.200840AJMERADLABS FILMS28/08/200741AJMERKUSIIAL GLOBAL12.09.200742AJMERSYNERGY MEDIA31.08.200743ALGARHADLABS FILMS08.12.200644ALLAHABADADLABS FILMS09.10.200745AMRITSARADLABS FILMS01.08.200746AMRITSARPAN INDIA26.01.200847AMRITSARSYNERGY MEDIA27.7-200748ASANSOLADLABS FILMS09.02.00649AURANGABADE.N.L.24.07.200750BANGALOREADLABS FILMS09.02.00651BANGALOREE.N.L.17.04.200652BANGALOREINDIA RADIO VENTURES01.10.200654BANGALOREKAL RADIO06.11.200655BANGALOREM.B.P.L10.06.200156BANGALOREM.B.P.L10.02.00757BAREILYADLABS FILMS30.03.200758BANGALOREKAL RADIO06.11.200657BAREILYADLABS FILMS20.05.200760BHOPALSUNTH ASIA20.05.200761BHOPALSUNTH ASIA20.05.200762BHOPALSUNTH ASIA20.05.200763BHUBANESHWAR/ CUTTAKCUTTAKADLABS FILMS64BHUBANESHWAR/ CUTTAKCU	35	AHMEDABAD	E.N.I.L.	10.12.2001
38AHMEDNAGARB.A.G. INFOTAINMENT01.03.200839AHMEDNAGARM.B.P.L.07.02.200840AJMERADLABS FILMS28/08/200741AJMERKUSHAL GLOBAL12.09.200742AJMERSYNERGY MEDIA31.08.200743ALIGARHADLABS FILMS08.12.200644ALLAHABADADLABS FILMS01.08.200745AMRITSARADLABS FILMS01.08.200746AMRITSARPAN INDIA26.01.200847AMRITSARSYNERGY MEDIA27.7-200748ASANSOLADLABS FILMS29.06.200749AURANGABADE.N.I.L.24.07.200750BANGALOREADLABS FILMS09.10.200651BANGALOREE.N.I.L.17.04.200652BANGALOREH.T. MUSIC06.03.200753BANGALOREKAL RADIO VENTURES01.10.200654BANGALOREM.B.P.L.10.06.200155BANGALOREM.B.P.L.10.06.200156BANGALOREKAL RADIO VENTURES01.08.200657BANGALOREM.B.P.L.00.03.200758BANGALOREKALI RADIO VENTURES01.08.200657BANGALOREKALI RADIO06.11.200658BANGALOREKALI RADIO00.03.200759BHOPALSOUTH ASIA26.05.200760BHOPALSOUTH ASIA26.05.200761BHOPALSOUTH ASIA24.05.200762BHOPALSOUTH ASIA </td <td>36</td> <td>AHMEDABAD</td> <td>M.B.P.L.</td> <td>25.07.2007</td>	36	AHMEDABAD	M.B.P.L.	25.07.2007
AHMEDNAGARM.B.P.L.07.02.200840AJMERADLABS FILMS28/08/200741AJMERKUSI1AL GLOBAL12.09.200742AJMERSYNERGY MEDIA31.08.200743ALIGARHADLABS FILMS08.12.200644ALLAHABADADLABS FILMS01.08.200745AMRITSARADLABS FILMS01.08.200746AMRITSARPAN INDIA26.01.200847AMRITSARSYNERGY MEDIA27.7200748ASANSOLADLABS FILMS29.06.200749AURANGABADE.N.I.L.24.07.200750BANGALOREADLABS FILMS99.10.200651BANGALOREE.N.I.L.17.04.200652BANGALOREH.T. MUSIC06.03.200753BANGALOREINDIA RADIO VENTURES01.10.200654BANGALOREKAL RADIO06.11.200655BANGALOREM.B.P.L.10.06.200156BANGALOREKAL RADIO01.08.200757BARGILOREKADI MID-DAY01.08.200758BARFILYADLABS FILMS30.03.200759BHOPALSUTH ASIA26.05.200761BHOPALSUTH ASIA26.05.200762BHOPALSUTH ASIA26.05.200763BHUBANESHWAR/ CUTTAKADLABS FILMS24.05.200764BHUBANESHWAR/ CUTTAKSOUTH ASIA26.05.200765BHUBANESHWAR/ CUTTAKSOUTH ASIA26.05.200766BHUBANESHWAR/ <b< td=""><td>37</td><td>AHMEDABAD</td><td>SYNERGY MEDIA</td><td>21.07.2007</td></b<>	37	AHMEDABAD	SYNERGY MEDIA	21.07.2007
40AJMERADLABS FILMS28/08/200741AJMERKUSHAL GLOBAL12.09.200742AJMERSYNERCY MEDIA31.08.200743ALIGARHADLABS FILMS08.12.200644ALLAHABADADLABS FILMS01.08.200745AMRITSARADLABS FILMS01.08.200746AMRITSARPAN INDIA26.01.200847AMRITSARSYNERGY MEDIA27-7.200748ASANSOLADLABS FILMS29.06.200749AURANGABADE.N.I.L24.07.200750BANGALOREADLABS FILMS09.10.200651BANGALOREKAL RADIO06.03.200752BANGALOREINDIA RADIO VENTURES01.02.00654BANGALOREKAL RADIO06.11.200655BANGALOREMB.P.L10.06.200156BANGALORERADIO MID-DAY01.08.200757BAREILYADLABS FILMS30.03.200758BAREILYSHRI PURAN MULTIMEDIA09.04.200759BHOPALADLABS FILMS20.05.200760BHOPALSOUTH ASIA06.11.200761BHOPALSOUTH ASIA26.05.200762BHOPALSOUTH ASIA24.05.200763BHUBANESHWAR/ CUTTAKADLABS FILMS14.04.200764BHUBANESHWAR/ CUTTAKSOUTH ASIA28.06.200765BILASPURADLABS FILMS19.01.200766BIKANERADLABS FILMS19.01.2007	38	AHMEDNAGAR	B.A.G. INFOTAINMENT	01.03.2008
41AJMERKUSHAL GLOBAL12.09.200742AJMERSYNERGY MEDIA31.08.200743ALIGARHADLABS FILMS08.12.200644ALLAHABADADLABS FILMS29.10.200745AMRITSARADLABS FILMS01.08.200746AMRITSARPAN INDIA26.01.200847AMRITSARSYNERGY MEDIA27.7-200748ASANSOLADLABS FILMS29.06.200749AURANGABADE.N.IL24.07.200750BANGALOREADLABS FILMS09.10.200651BANGALOREE.N.IL17.04.200652BANGALOREH.T. MUSIC06.03.200753BANGALOREINDIA RADIO VENTURES01.10.200654BANGALOREKAL RADIO06.11.200655BANGALOREM.B.P.L10.06.200156BANGALORERADIO MID-DAY01.08.200657BAREILYADLABS FILMS30.03.200758BAREILYSHRI PURAN MULTIMEDIA09.04.200759BHOPALSOUTH ASIA06.11.200760BHOPALSOUTH ASIA06.11.200761BHOPALSOUTH ASIA24.05.200762BHUBANESHWAR/ CUTTAKADLABS FILMS14.04.200764BHUBANESHWAR/ CUTTAKSOUTH ASIA24.05.200765BHUBANESHWAR/ CUTTAKSOUTH ASIA24.05.200766BIKANERADLABS FILMS19.01.200767BILASPURSOUTH ASIA28.06.2007 <td>39</td> <td>AHMEDNAGAR</td> <td>M.B.P.L.</td> <td>07.02.2008</td>	39	AHMEDNAGAR	M.B.P.L.	07.02.2008
42AJMERSYNERGY MEDIA31.08.200743ALLGARHADLABS FILMS08.12.200644ALLAHABADADLABS FILMS29.10.200745AMRITSARADLABS FILMS01.08.200746AMRITSARPAN INDIA26.01.200847AMRITSARSYNERGY MEDIA27.7-200748ASANSOLADLABS FILMS29.06.200749AURANGABADE.N.I.L24.07.200750BANGALOREADLABS FILMS09.10.200651BANGALOREE.N.I.L17.04.200652BANGALOREH.T. MUSIC06.03.200753BANGALOREINDIA RADIO VENTURES01.10.200654BANGALOREKAL RADIO06.11.200655BANGALOREM.B.P.L.10.06.200156BANGALORERADIO MID-DAY01.08.200657BARGILORERADIO MID-DAY01.08.200758BAREILYADLABS FILMS30.03.200759BHOPALADLABS FILMS20.05.200760BHOPALSOUTH ASIA06.11.200761BHOPALSOUTH ASIA26.05.200763BHUBANESHWAR/ CUTTAKADLABS FILMS14.04.200764BHUBANESHWAR/ CUTTAKSOUTH ASIA28.06.200765BILASPURADLABS FILMS19.01.200766BIKANERADLABS FILMS19.01.2007	40	AJMER	ADLABS FILMS	28/08/2007
43ALIGARHADLABS FILMS08.12.200644ALLAHABADADLABS FILMS29.10.200745AMRITSARADLABS FILMS01.08.200746AMRITSARPAN INDIA26.01.200847AMRITSARSYNERGY MEDIA27.7-200748ASANSOLADLABS FILMS29.06.200749AURANGABADE.N.I.L24.07.200750BANGALOREADLABS FILMS09.10.200651BANGALOREE.N.I.L17.04.200652BANGALOREH.T. MUSIC06.03.200753BANGALOREINDIA RADIO VENTURES01.10.200654BANGALOREKAL RADIO06.11.200655BANGALOREM.B.P.L.10.06.200156BANGALORERADIO MID-DAY01.08.200657BARGILORERADIO MID-DAY01.08.200657BAREILYADLABS FILMS30.03.200758BAREILYSURIT PURAN MULTIMEDIA09.04.200759BHOPALADLABS FILMS20.05.200760BHOPALSOUTH ASIA06.11.200761BHOPALSOUTH ASIA14.04.200762BHOBANESHWAR/ CUTTAKADLABS FILMS14.04.200764BHUBANESHWAR/ CUTTAKSOUTH ASIA28.06.200765BHUBANESHWAR/ CUTTAKSOUTH ASIA28.06.200766BIKANERADLABS FILMS19.01.200767BILASPURSYNERGY MEDIA28.06.2007	41	AJMER	KUSHAL GLOBAL	12.09.2007
44ALLAHABADADLABS FILMS29.10.200745AMRITSARADLABS FILMS01.08.200746AMRITSARPAN INDIA26.01.200847AMRITSARSYNERGY MEDIA27.7-200748ASANSOLADLABS FILMS29.06.200749AURANGABADE.N.I.L.24.07.200750BANGALOREADLABS FILMS09.10.200651BANGALOREE.N.I.L.17.04.200652BANGALOREH.T. MUSIC06.03.200753BANGALOREINDIA RADIO VENTURES01.10.200654BANGALOREKAL RADIO06.11.200655BANGALORERADIO MID-DAY01.08.200656BANGALORERADIO MID-DAY01.08.200757BAREILYADLABS FILMS30.03.200758BAREILYSHRI PURAN MULTIMEDIA09.04.200759BHOPALADLABS FILMS20.05.200761BHOPALSOUTH ASIA06.11.200762BHOPALSYNERGY MEDIA26.05.200763BHUBANESHWAR/ CUTTAKADLABS FILMS24.05.200764BHUBANESHWAR/ CUTTAKEASTERN MEDIA24.05.200765BIHUBANESHWAR/ CUTTAKEASTERN MEDIA24.05.200766BIKANERADLABS FILMS19.01.200767BIHUBANESHWAR/ CUTTAKEASTERN MEDIA24.05.200767BIHUBANESHWAR/ CUTTAKEASTERN MEDIA24.05.200768BHUBANESHWAR/ CUTTAKEASTERN MEDIA24.05.2007 <td< td=""><td>42</td><td>AJMER</td><td>SYNERGY MEDIA</td><td>31.08.2007</td></td<>	42	AJMER	SYNERGY MEDIA	31.08.2007
45AMRITSARADLABS FILMS01.08.200746AMRITSARPAN INDIA26.01.200847AMRITSARSYNERGY MEDIA27.7-200748ASANSOLADLABS FILMS29.06.200749AURANGABADE.N.I.L24.07.200750BANGALOREADLABS FILMS09.10.200651BANGALOREE.N.I.L17.04.200652BANGALOREINJL06.03.200753BANGALOREINDIA RADIO VENTURES01.10.200654BANGALOREINDIA RADIO VENTURES01.0200655BANGALOREKAL RADIO06.11.200654BANGALORERADIO MID-DAY01.08.200755BANGALORERADIO MID-DAY01.08.200756BANGALORERADIO MID-DAY01.02.00757BAREILYADLABS FILMS30.03.200758BAREILYSHRI PURAN MULTIMEDIA09.04.200759BHOPALSOUTH ASIA06.11.200760BHOPALSOUTH ASIA06.11.200761BHOPALSYNERGY MEDIA24.05.200763BHUBANESHWAR/ CUTTAKEASTERN MEDIA24.05.200764BHUBANESHWAR/ CUTTAKSOUTH ASIA24.05.200765BHUBANESHWAR/ CUTTAKSOUTH ASIA24.05.200766BIKANERADLABS FILMS19.01.200767BILBANESHWAR/ CUTTAKSOUTH ASIA24.05.200768BILBANESHWAR/ CUTTAKEASTERN MEDIA24.05.200764BILBANESHWAR/ C	43	ALIGARH	ADLABS FILMS	08.12.2006
46AMRITSARPAN INDIA26.01.200847AMRITSARSYNERGY MEDIA27.7.200748ASANSOLADLABS FILMS29.06.200749AURANGABADE.N.I.L24.07.200750BANGALOREADLABS FILMS09.10.200651BANGALOREE.N.I.L17.04.200652BANGALOREH.T. MUSIC06.03.200753BANGALOREINDIA RADIO VENTURES01.10.200654BANGALOREKAL RADIO06.11.200655BANGALOREM.B.P.L.10.06.200156BANGALORERADIO MID-DAY01.08.200657BAREILYADLABS FILMS30.03.200758BAREILYSHRI PURAN MULTIMEDIA09.04.200759BHOPALE.N.I.L26.05.200760BHOPALSUTH ASIA06.11.200761BHOPALSUTH ASIA26.05.200762BHOPALSUTH ASIA26.05.200763BHUBANESHWAR/ CUTTAKADLABS FILMS24.05.200764BHUBANESHWAR/ CUTTAKSOUTH ASIA24.05.200765BHUBANESHWAR/ CUTTAKSOUTH ASIA28.06.200766BKANERADLABS FILMS19.01.200767BHUBANESHWAR/ CUTTAKSOUTH ASIA28.06.200766BKANERADLABS FILMS19.01.2007	44	ALLAHABAD	ADLABS FILMS	29.10.2007
47AMRITSARSYNERGY MEDIA27-7.200748ASANSOLADLABS FILMS29.06.200749AURANGABADE.N.I.L.24.07.200750BANGALOREADLABS FILMS09.10.200651BANGALOREE.N.I.L.17.04.200652BANGALOREH.T. MUSIC06.03.200753BANGALOREINDIA RADIO VENTURES01.10.200654BANGALOREKAL RADIO06.11.200655BANGALOREM.B.P.L.10.06.200156BANGALORERADIO MID-DAY01.08.200657BAREILYADLABS FILMS30.03.200758BAREILYSHRI PURAN MULTIMEDIA09.04.200759BHOPALE.N.I.L.26.05.200760BHOPALSOUTH ASIA06.11.200761BHOPALSOUTH ASIA26.05.200762BHOPALSOUTH ASIA24.05.200763BHUBANESHWAR/ CUTTAKADLABS FILMS24.05.200764BHUBANESHWAR/ CUTTAKCASTERN MEDIA24.05.200765BHUBANESHWAR/ CUTTAKSOUTH ASIA24.05.200766BHUBANESHWAR/ CUTTAKSOUTH ASIA24.05.200766BHUBANESHWAR/ CUTTAKSOUTH ASIA24.05.200767BHUBANESHWAR/ CUTTAKSOUTH ASIA24.05.200768BHUBANESHWAR/ CUTTAKSOUTH ASIA24.05.200769BHUBANESHWAR/ CUTTAKSOUTH ASIA24.05.200760BHUBANESHWAR/ CUTTAKSOUTH ASIA24.05.2007 <td>45</td> <td>AMRITSAR</td> <td>ADLABS FILMS</td> <td>01.08.2007</td>	45	AMRITSAR	ADLABS FILMS	01.08.2007
48ASANSOLADLABS FILMS29.06.200749AURANGABADE.N.IL.24.07.200750BANGALOREADLABS FILMS09.10.200651BANGALOREE.N.IL.17.04.200652BANGALOREH.T. MUSIC06.03.200753BANGALOREINDIA RADIO VENTURES01.10.200654BANGALOREKAL RADIO06.11.200655BANGALOREM.B.P.L.10.06.200156BANGALORERADIO MID-DAY01.08.200657BAREILYADLABS FILMS30.03.200758BAREILYSHRI PURAN MULTIMEDIA09.04.200759BHOPALE.N.I.L.26.05.200760BHOPALSOUTH ASIA06.11.200761BHOPALSYNERGY MEDIA26.05.200763BHUBANESHWAR/ CUTTAKADLABS FILMS14.04.200764BHUBANESHWAR/ CUTTAKEASTERN MEDIA24.05.200765BHUBANESHWAR/ CUTTAKSOUTH ASIA24.05.200766BIKANERADLABS FILMS19.01.200767BHUBANESHWAR/ CUTTAKSOUTH ASIA24.05.200766BIKANERADLABS FILMS19.01.2007	46	AMRITSAR	PAN INDIA	26.01.2008
49AURANGABADE.N.I.L.24.07.200750BANGALOREADLABS FILMS09.10.200651BANGALOREE.N.I.L.17.04.200652BANGALOREH.T. MUSIC06.03.200753BANGALOREINDIA RADIO VENTURES01.10.200654BANGALOREKAL RADIO06.11.200655BANGALOREM.B.P.I.10.06.200156BANGALORERADIO MID-DAY01.08.200657BAREILYADLABS FILMS30.03.200758BAREILYSHRI PURAN MULTIMEDIA09.04.200759BHOPALADLABS FILMS20.05.200760BHOPALSOUTH ASIA06.11.200661BHOPALSYNERGY MEDIA26.05.200763BHUBANESHWAR/ CUTTAKADLABS FILMS14.04.200764BHUBANESHWAR/ CUTTAKSOUTH ASIA24.05.200765BHUBANESHWAR/ CUTTAKSOUTH ASIA28.06.200766BIKANERADLABS FILMS19.01.200767BILASPURSOUTH ASIA27.09.2007	47	AMRITSAR	SYNERGY MEDIA	27-7-2007
50BANGALOREADLABS FILMS09.10.200651BANGALOREE.N.I.L.17.04.200652BANGALOREH.T. MUSIC06.03.200753BANGALOREINDIA RADIO VENTURES01.10.200654BANGALOREKAL RADIO06.11.200655BANGALOREM.B.P.L.10.06.200156BANGALORERADIO MID-DAY01.08.200657BAREILYADLABS FILMS30.03.200758BAREILYSHRI PURAN MULTIMEDIA09.04.200759BHOPALADLABS FILMS20.05.200760BHOPALSOUTH ASIA06.11.200761BHOPALSYNERGY MEDIA26.05.200763BHUBANESHWAR/ CUTTAKADLABS FILMS14.04.200764BHUBANESHWAR/ CUTTAKFASTERN MEDIA24.05.200765BHUBANESHWAR/ CUTTAKSOUTH ASIA28.06.200766BIKANERADLABS FILMS19.01.2007	48	ASANSOL	ADLABS FILMS	29.06.2007
51BANGALOREE.N.I.L.17.04.200652BANGALOREH.T. MUSIC06.03.200753BANGALOREINDIA RADIO VENTURES01.10.200654BANGALOREKAL RADIO06.11.200655BANGALOREM.B.P.L.10.06.200156BANGALORERADIO MID-DAY01.08.200657BAREILYADLABS FILMS30.03.200758BAREILYSHRI PURAN MULTIMEDIA09.04.200759BHOPALADLABS FILMS20.05.200760BHOPALSOUTH ASIA06.11.200761BHOPALSYNERGY MEDIA26.05.200763BHUBANESHWAR/ CUTTAKADLABS FILMS14.04.200764BHUBANESHWAR/ CUTTAKFASTERN MEDIA24.05.200765BHUBANESHWAR/ CUTTAKSOUTH ASIA28.06.200766BIKANERADLABS FILMS19.01.200767BILASPURSYNERGY MEDIA27.09.2007	49	AURANGABAD	E.N.I.L.	24.07.2007
52BANGALOREH.T. MUSIC06.03.200753BANGALOREINDIA RADIO VENTURES01.10.200654BANGALOREKAL RADIO06.11.200655BANGALOREKAL RADIO06.03.200756BANGALOREM.B.P.L.10.06.200157BAREILYADLABS FILMS30.03.200758BAREILYSHRI PURAN MULTIMEDIA09.04.200759BHOPALADLABS FILMS20.05.200760BHOPALE.N.LL.26.05.200761BHOPALSOUTH ASIA06.11.200762BHOPALSYNERGY MEDIA26.05.200763BHUBANESHWAR/ CUTTAKADLABS FILMS14.04.200764BHUBANESHWAR/ CUTTAKSOUTH ASIA24.05.200765BHUBANESHWAR/ CUTTAKSOUTH ASIA28.06.200766BIKANERADLABS FILMS19.01.200767BILASPURSYNERGY MEDIA27.09.2007	50	BANGALORE	ADLABS FILMS	09.10.2006
53BANGALOREINDIA RADIO VENTURES01.10.200654BANGALOREKAL RADIO06.11.200655BANGALOREM.B.P.L.10.06.200156BANGALORERADIO MID-DAY01.08.200657BAREILYADLABS FILMS30.03.200758BAREILYSHRI PURAN MULTIMEDIA09.04.200759BHOPALADLABS FILMS20.05.200760BHOPALE.N.I.L.26.05.200761BHOPALSOUTH ASIA06.11.200762BHOPALSYNERGY MEDIA26.05.200763BHUBANESHWAR/ CUTTAKADLABS FILMS14.04.200764BHUBANESHWAR/ CUTTAKSOUTH ASIA28.06.200765BIKANERADLABS FILMS19.01.200766BIKANERADLABS FILMS28.06.200767BILASPURSYNERGY MEDIA27.09.2007	51	BANGALORE	E.N.I.L.	17.04.2006
54BANGALOREKAL RADIO06.11.200655BANGALOREM.B.P.L.10.06.200156BANGALORERADIO MID-DAY01.08.200657BAREILYADLABS FILMS30.03.200758BAREILYSHRI PURAN MULTIMEDIA09.04.200759BHOPALADLABS FILMS20.05.200760BHOPALE.N.I.L.26.05.200761BHOPALSOUTH ASIA06.11.200762BHOPALSYNERGY MEDIA26.05.200763BHUBANESHWAR/ CUTTAKADLABS FILMS14.04.200764BHUBANESHWAR/ CUTTAKSOUTH ASIA24.05.200765BHUBANESHWAR/ CUTTAKSOUTH ASIA28.06.200766BIKANERADLABS FILMS19.01.200767BILASPURSYNERGY MEDIA27.09.2007	52	BANGALORE	H.T. MUSIC	06.03.2007
55BANGALOREM.B.P.L.10.06.200156BANGALORERADIO MID-DAY01.08.200657BAREILYADLABS FILMS30.03.200758BAREILYSHRI PURAN MULTIMEDIA09.04.200759BHOPALADLABS FILMS20.05.200760BHOPALE.N.I.L.26.05.200761BHOPALSOUTH ASIA06.11.200762BHOPALSYNERGY MEDIA26.05.200763BHUBANESHWAR/ CUTTAKADLABS FILMS14.04.200764BHUBANESHWAR/ CUTTAKEASTERN MEDIA24.05.200765BHUBANESHWAR/ CUTTAKSOUTH ASIA28.06.200766BIKANERADLABS FILMS19.01.200767BILASPURSYNERGY MEDIA27.09.2007	53	BANGALORE	INDIA RADIO VENTURES	01.10.2006
56BANGALORERADIO MID-DAY01.08.200657BAREILYADLABS FILMS30.03.200758BAREILYSHRI PURAN MULTIMEDIA09.04.200759BHOPALADLABS FILMS20.05.200760BHOPALE.N.I.L.26.05.200761BHOPALSOUTH ASIA06.11.200762BHOPALSYNERGY MEDIA26.05.200763BHUBANESHWAR/ CUTTAKADLABS FILMS14.04.200764BHUBANESHWAR/ CUTTAKEASTERN MEDIA24.05.200765BHUBANESHWAR/ CUTTAKSOUTH ASIA28.06.200766BIKANERADLABS FILMS19.01.200767BILASPURSYNERGY MEDIA27.09.2007	54	BANGALORE	KAL RADIO	06.11.2006
57BAREILYADLABS FILMS30.03.200758BAREILYSHRI PURAN MULTIMEDIA09.04.200759BHOPALADLABS FILMS20.05.200760BHOPALE.N.I.L.26.05.200761BHOPALSOUTH ASIA06.11.200762BHOPALSYNERGY MEDIA26.05.200763BHUBANESHWAR/ CUTTAKADLABS FILMS14.04.200764BHUBANESHWAR/ CUTTAKEASTERN MEDIA24.05.200765BHUBANESHWAR/ CUTTAKSOUTH ASIA28.06.200766BIKANERADLABS FILMS19.01.200767BILASPURSYNERGY MEDIA27.09.2007	55	BANGALORE	M.B.P.L.	10.06.2001
58BAREILYSHRI PURAN MULTIMEDIA09.04.200759BHOPALADLABS FILMS20.05.200760BHOPALE.N.I.L.26.05.200761BHOPALSOUTH ASIA06.11.200762BHOPALSYNERGY MEDIA26.05.200763BHUBANESHWAR/ CUTTAKADLABS FILMS14.04.200764BHUBANESHWAR/ CUTTAKEASTERN MEDIA24.05.200765BHUBANESHWAR/ CUTTAKSOUTH ASIA28.06.200766BIKANERADLABS FILMS19.01.200767BILASPURSYNERGY MEDIA27.09.2007	56	BANGALORE	RADIO MID-DAY	01.08.2006
59BHOPALADLABS FILMS20.05.200760BHOPALE.N.I.L.26.05.200761BHOPALSOUTH ASIA06.11.200762BHOPALSYNERGY MEDIA26.05.200763BHUBANESHWAR/ CUTTAKADLABS FILMS14.04.200764BHUBANESHWAR/ CUTTAKEASTERN MEDIA24.05.200765BHUBANESHWAR/ CUTTAKSOUTH ASIA28.06.200766BIKANERADLABS FILMS19.01.2007	57	BAREILY	ADLABS FILMS	30.03.2007
60BHOPALE.N.I.L.26.05.200761BHOPALSOUTH ASIA06.11.200762BHOPALSYNERGY MEDIA26.05.200763BHUBANESHWAR/ CUTTAKADLABS FILMS14.04.200764BHUBANESHWAR/ CUTTAKEASTERN MEDIA24.05.200765BHUBANESHWAR/ CUTTAKSOUTH ASIA28.06.200766BIKANERADLABS FILMS19.01.200767BILASPURSYNERGY MEDIA27.09.2007	58	BAREILY	SHRI PURAN MULTIMEDIA	09.04.2007
61BHOPALSOUTH ASIA06.11.200762BHOPALSYNERGY MEDIA26.05.200763BHUBANESHWAR/ CUTTAKADLABS FILMS14.04.200764BHUBANESHWAR/ CUTTAKEASTERN MEDIA24.05.200765BHUBANESHWAR/ CUTTAKSOUTH ASIA28.06.200766BIKANERADLABS FILMS19.01.200767BILASPURSYNERGY MEDIA27.09.2007	59	BHOPAL	ADLABS FILMS	20.05.2007
62BHOPALSYNERGY MEDIA26.05.200763BHUBANESHWAR/ CUTTAKADLABS FILMS14.04.200764BHUBANESHWAR/ CUTTAKEASTERN MEDIA24.05.200765BHUBANESHWAR/ CUTTAKSOUTH ASIA28.06.200766BIKANERADLABS FILMS19.01.200767BILASPURSYNERGY MEDIA27.09.2007	60	BHOPAL	E.N.I.L.	26.05.2007
63BHUBANESHWAR/ CUTTAKADLABS FILMS14.04.200764BHUBANESHWAR/ CUTTAKEASTERN MEDIA24.05.200765BHUBANESHWAR/ CUTTAKSOUTH ASIA28.06.200766BIKANERADLABS FILMS19.01.200767BILASPURSYNERGY MEDIA27.09.2007	61	BHOPAL	SOUTH ASIA	06.11.2007
CUTTAKCUTTAK64BHUBANESHWAR/ CUTTAKEASTERN MEDIA24.05.200765BHUBANESHWAR/ CUTTAKSOUTH ASIA28.06.200766BIKANERADLABS FILMS19.01.200767BILASPURSYNERGY MEDIA27.09.2007	62	BHOPAL	SYNERGY MEDIA	26.05.2007
64BHUBANESHWAR/ CUTTAKEASTERN MEDIA24.05.200765BHUBANESHWAR/ CUTTAKSOUTH ASIA28.06.200766BIKANERADLABS FILMS19.01.200767BILASPURSYNERGY MEDIA27.09.2007	63		ADLABS FILMS	14.04.2007
65BHUBANESHWAR/ CUTTAKSOUTH ASIA28.06.200766BIKANERADLABS FILMS19.01.200767BILASPURSYNERGY MEDIA27.09.2007	64	BHUBANESHWAR/	EASTERN MEDIA	24.05.2007
67BILASPURSYNERGY MEDIA27.09.2007	65	BHUBANESHWAR/ CUTTAK		
	66	BIKANER	ADLABS FILMS	19.01.2007
68CHANDIGARHADLABS FILMS12.02.2007	67	BILASPUR	SYNERGY MEDIA	27.09.2007
	68	CHANDIGARH	ADLABS FILMS	12.02.2007

69	CHANDIGARH	SYNERGY MEDIA	19.02.2007
70	COIMBATORE	E.N.I.L.	03.11.2007
71	COIMBATORE	M.B.P.L.	12.11.2007
72	COIMBATORE	MALAR PUBLICATIONS	29.10.2007
73	COIMBATORE	SUN TV	07.03.2003
74	DHULE	B.A.G. INFOTAINMENT	15.08.2007
75	GORAKHPUR	SHRI PURAN MULTIMEDIA	03.06.2007
76	GUWAHATI	ADLABS FILMS	14.04.2007
77	GUWAHATI	POSITIVE RADIO	13.04.2007
78	GUWAHATI	PURVY BROADCASTING	09.10.2007
79	GWALIOR	ADLABS FILMS	06.08.2007
80	GWALIOR	GWALIOR FARMS	04.08.2007
81	GWALIOR	ITM SOFTWARE	07.09.2007
82	GWALIOR	SYNERGY MEDIA	06.08.2007
83	HISSAR	ADLABS FILMS	02.03.2007
84	HISSAR	B.A.G. INFOTAINMENT	18.06.2007
85	HISSAR	SHRI PURAN MULTIMEDIA	21.03.2007
86	HISSAR	SINGLA PROPERTY	17.03.2007
87	HYDERABAD	ADLABS FILMS	25.09.2006
88	HYDERABAD	E.N.I.L.	19.04.2006
89	HYDERABAD	KAL RADIO	06.11.2006
90	HYDERABAD	M.B.P.L.	30.05.2006
91	INDORE	ADLABS FILMS	03.08.2007
92	INDORE	E.N.I.L.	01.10.2001
93	INDORE	SOUTH ASIA	09.12.2007
94	INDORE	SYNERGY MEDIA	11.08.2007
95	JABALPUR	B.A.G. INFOTAINMENT	01.03.2008
96	JABALPUR	E.N.I.L.	15.02.2008
97	JABALPUR	SYNERGY MEDIA	15.02.2008
98	JAIPUR	E.N.I.L.	17.04.2006
99	JAIPUR	M.B.P.L.	08.09.2006
100	JAIPUR	RAJASTHAN PATRIKA	15.08.2006
101	JAIPUR	SOUTH ASIA	06.11.2006
102	JAIPUR	SYNERGY MEDIA	28.05.2006
103	JALANDHAR	ADLABS FILMS	14.04.2007
104	JALANDHAR	E.N.I.L.	24.04.2007
105	JALANDHAR	SHRI PURAN MULTIMEDIA	14.04.2007

106	JALANDHAR	SYNERGY MEDIA	19.04.2007
107	JAMMU	ADLABS FILMS	07.12.2006
108	JAMSHED PUR	ADLABS FILMS	07.11.2007
109	JHANSI	ADLABS FILMS	19.01.2007
110	JODHPUR	ADLABS FILMS	14.12.2007
111	JODHPUR	KUSHAL GLOBAL	14.12.2007
112	JODHPUR	SYNERGY MEDIA	20.12.2007
113	KANNUR	ASIANET COMMUNICATION	13.01.2008
114	KANNUR	MALAYALLA MANORAMA	30.12.2007
115	KANNUR	THE MATHRABHUMI	30.12.2007
116	KANPUR	ADLABS FILMS	14.06.2007
117	KANPUR	E.N.I.L.	16.06.2007
118	KANPUR	SOUTH ASIA	28.01.2008
119	KARNAL	B.A.G. INFOTAINMENT	18.06.2007
120	KARNAL	SHRI PURAN MULTIMEDIA	02.04.2007
121	KHOZIKODE	KAL RADIO	07.12.2007
122	KHOZIKODE	MALAYALLA MANORAMA	29.11.2007
123	KOLHAPUR	E.N.I.L.	18.09.2007
124	KOLHAPUR	PUDHARI PUBLICATION	29.09.2007
125	КОТА	ADLABS FILMS	21.01.2008
126	КОТА	RAJASTHAN PATRIKA	25.02.2008
127	КОТА	SYNERGY MEDIA	02.02.2008
128	LUCKNOW	E.N.I.L.	13.08.2007
129	LUCKNOW	M.B.P.L.	10.12.2001
130	LUCKNOW	SOUTH ASIA	06.11.2007
131	MADURAI	E.N.I.L.	28-09.2007
132	MADURAI	KAL RADIO	05.10.2007
133	MADURAI	MALAR PUBLICATIONS	01.10.2007
134	MANGALORE	ADLABS FILMS	24.11.2007
135	MANGALORE	E.N.I.L.	24.11.2007
136	MUZAFFARPUR	B.A.G. INFOTAINMENT	01.08.2007
137	MYSORE	ADLABS FILMS	14.10.2007
138	NAGPUR	E.N.I.L.	18.10.2007
139	NAGPUR	M.B.P.L.	21.10.2007
140	NAGPUR	SYNERGY MEDIA	21.10.2007
141	NASIK	E.N.I.L.	06.07.2007
142	PANAJI	ADLABS FILMS	22.05.2007

143	PANAJI	E.N.I.L.	22.05.2007
144	PANAJI	INDIA RADIO VENTURES	25.06.2007
145	PATIALA	ADLABS FILMS	01.08.2007
146	PATIALA	B.A.G. INFOTAINMENT	18.06.2007
147	PATIALA	PAN INDIA	26.01.2008
148	PATNA	E.N.I.L.	02.04.2007
149	PONDICHERRY	ADLABS FILMS	01.12.2007
150	PONDICHERRY	KAL RADIO	20.12.2007
151	PONDICHERRY	MALAR PUBLICATIONS	22.12.2007
152	PUNE	E.N.I.L.	18.10.2002
153	RACHI	ADLABS FILMS	24.10.2007
154	RACHI	B.A.G. INFOTAINMENT	15.11.2007
155	RACHI	SHRI PURAN MULTIMEDIA	27.10.2007
156	RAIPUR	E.N.I.L.	11.01.2008
157	RAIPUR	RANEKA FINCOM	15.01.2008
158	RAIPUR	SYNERGY MEDIA	16.01.2008
159	RAJAHMUNDRY	KAL RADIO	19.01.2008
160	RAJKOT	ADLABS FILMS	13.06.2007
161	RAJKOT	E.N.I.L.	13.06.2007
162	ROURKELA	ADLABS FILMS	06.01.2008
163	ROURKELA	EASTERN MEDIA	23.01.2008
164	SANGLI	M.B.P.L.	08.02.2008
165	SHILONG	POSITIVE RADIO	16.10.2007
166	SHOLAPUR	ADLABS FILMS	08.11.2007
167	SHOLAPUR	M.B.P.L.	14.11.2007
168	SILIGURI	PCM CEMMENTS	14.11.2007
169	SILIGURI	SYNTECH INFORMATICS	24.11.2007
170	SRI-NAGAR	ADLABS FILMS	10.12.2006
171	SURAT	ADLABS FILMS	29.08.2007
172	SURAT	E.N.I.L.	21.08.2007
173	SURAT	M.B.P.L.	22.08.2007
174	SURAT	SYNERGY MEDIA	27.08.2007
175	THIRUVANANTHA PURAM	ADLABS FILMS	29.01.2008
176	THIRUVANANTHA PURAM	E.N.I.L.	29.01.2008
177	THIRUVANANTHA PURAM	KAL RADIO	06.02.2008
178	THIRUVANANTHA PURAM	THE MATHRABHUMI	29.01.2008

179	THRISSUR	ASIANET COMMUNICATION	23.12.2007
180	THRISSUR	KAL RADIO	26.12.2007
181	THRISSUR	MALAYALLA MANORAMA	14.12.2007
182	THRISSUR	THE MATHRABHUMI	14.12.2007
183	TIRUCHI	KAL RADIO	17.01.2008
184	TIRUCHI	MALAR PUBLICATIONS	14.01.2008
185	TIRUNELVELI	MALAR PUBLICATIONS	13.10.2007
186	TIRUNELVELI	SUN TV	07.03.2003
187	TIRUPATI	ADLABS FILMS	01.08.2007
188	TIRUPATI	KAL RADIO	27.08.2007
189	TUTICORIN	KAL RADIO	05.10.2007
190	TUTICORIN	MALAR PUBLICATIONS	15.10.2007
191	UDAIPUR	ADLABS FILMS	03.08.2007
192	UDAIPUR	RAJASTHAN PATRIKA	27.08.2007
193	UDAIPUR	SYNERGY MEDIA	07.07.2007
194	VADODARA	ADLABS FILMS	05.06.2007
195	VADODARA	E.N.I.L.	05.06.2007
196	VADODARA	M.B.P.L.	11.06.2007
197	VARANASI	E.N.I.L.	14.07.2007
198	VARANASI	SHRI PURAN MULTIMEDIA	20.07.2007
199	VARANASI	SOUTH ASIA	29.12.2007
200	VIJAYWADA	E.N.I.L.	11.12.2007
201	VIJAYWADA	KAL RADIO	25.12.2007
202	VISHAKAPATNAM	ADLABS FILMS	27.10.2007
203	VISHAKAPATNAM	E.N.I.L.	26.10.2007
204	VISHAKAPATNAM	M.B.P.L.	29.10.2007
205	VISHAKAPATNAM	UDAYA TV	06.02.2003

<u>Number of Applications received / Letters of Intent issued / Licenses</u> <u>Issued in respect of Community Radio Stations</u>

	As on 31.13.2008
Total No. of Applications Received	319
No of Licenses issued	49
No of Letters of Intend Issued	138
No of Applications rejected	26
No of stations operational	35

Source: Ministry of Information & Broadcasting

List of applicant who have been granted DTH Licenses

- 1. Dish TV
- 2. Tata Sky Limited
- 3. Sun Direct TV Private Limited
- 4. Reliance Blue Magic Limited
- 5. Bharati Telemedia Limited
- 6. Bharat Business Channel Limited

Annex 2.1

List of Wireless, Wireline & Unified Access Service Providers

	Operators						
Circle							
	Wireless	Unified	Wireline				
	Vodafone	Reliance Infocomm	MTNL				
Delhi	MTNL	Tata Teleservices					
	Idea Cellular	Bharti Airtel Ltd					
		Aircell Ltd.					
	BPL	Reliance Infocomm	MTNL				
	Vodafone	Tata Teleservices					
Mumbai	MTNL	Bharti Airtel Ltd					
		Aircell Ltd.					
		Idea Cellular					
Chennai	Aircel	Reliance Infocomm	BSNL				
	BSNL	Tata Teleservices					
	Vodafone	Bharti Airtel Ltd					
	Vodafone	Reliance Infocomm	BSNL				
	BSNL	Tata Teleservices					
Kolkata	Reliable Internet						
	Services Ltd.	Bharti Airtel Ltd					
		Dishnet Wireless Ltd.					
	Vodafone	Reliance Infocomm	BSNL				
Maharashtra	Idea Cellular	Tata Teleservices					
	BSNL	Bharti Airtel Ltd					
		Aircell Ltd.					
	Vodafone	Reliance Infocomm	BSNL				
Gujarat	Idea Cellular	Tata Teleservices					
•	BSNL	Bharti Airtel Ltd					
		Aircell Ltd.					
Andhra	Idea Cellular	Reliance Infocomm	BSNL				
Pradesh	Vodafone	Tata Teleservices					
	BSNL	Bharti Airtel Ltd.					
		Aircell Ltd.					
	BSNL	Spice Communications					
	Vodafone	Reliance Infocomm	BSNL				
Karnataka		Tata Teleservices					
		Bharti Airtel Ltd.					
		Aircell Ltd.					
Tamilnadu	BPL	Reliance Infocomm	BSNL				
	Aircel	Tata Teleservices					
	BSNL	Bharti Airtel Ltd					

	Idea Communications	Reliance Infocomm	BSNL
Kerala	Vodafone	Tata Teleservices	
ixiala	BSNL	Bharti Airtel Ltd	
		Dishnet Wireless Ltd.	
	BSNL	Reliance Infocomm	BSNL
n · · ·	Vodafone	HFCL Infocom	
Punjab	· ouulone	Tata Teleservices	
		Bharti Airtel Ltd.	
		Spice Communications	
		Dishnet Wireless Ltd.	
	Idea		
	Communications	Reliance Infocomm	BSNL
Uomrono	Vodafone	Tata Teleservices	
Haryana	BSNL	Bharti Airtel Ltd.	
	DONL	Dishnet Wireless Ltd.	
	Idaa		
	Idea Communications	Reliance Infocomm	BSNL
Uttar	BSNL	Vodafone	BSNL
Pradesh(W)	DONL	Tata Teleservices	
		Bharti Airtel Ltd.	
		Dishnet Wireless Ltd.	Bany
	Vodafone	Reliance Infocomm	BSNL
Uttar	BSNL	Tata Teleservices	
Pradesh(E)	IDEA Telecommunications	Bharti Airtel Ltd.	
		Dishnet Wireless Ltd.	
	Vodafone	Reliance Infocomm	BSNL
	Bharti Hexacom Ltd.	Tata Teleservices	
Rajasthan	BSNL	Shyam Telelink	
	IDEA Telecommunications		
Madhya	Idea	Reliance Infocomm	BSNL
Pradesh	BSNL	Tata Teleservices	
	Reliance Telecom	Bharti Airtel Ltd.	
		Dishnet Wireless Ltd.	
WB&A&N	BSNL	Reliance Infocomm	BSNL
W DOMOIN	Reliance Telecom	Tata Teleservices	
		Bharti Airtel Ltd.	
		Huchinson Essar South Ltd.	
		Dishnet Wireless Ltd.	
Himachal	BSNL	Reliance Infocomm	BSNL
Pradesh	Reliance Telecom	Tata Teleservices	
	IDEA		
	n un		

		Bharti Airtel Ltd.	
		Essar Spacetel Pvt. Ltd.	
	BSNL	Reliance Infocomm	BSNL
	Reliance Telecom	Tata Teleservices	
Bihar		Bharti Airtel Ltd.	
		Dishnet Wireless Ltd.	
		Essar Spacetel Pvt. Ltd.	
		Aditya Birla Telecom Ltd.	
	BSNL	Reliance Infocomm	BSNL
Orissa	Reliance Telecom	Tata Teleservices	
		Bharti Airtel Ltd.	
		Dishnet Wireless Ltd.	
		Essar Spacetel Pvt. Ltd.	
Assam	BSNL	Dishnet Wireless Ltd.	BSNL
	Reliance Telecom	Bharti Airtel Ltd.	
		Essar Spacetel Pvt. Ltd.	
	Reliance Telecom	Dishnet Wireless Ltd.	BSNL
North East	BSNL	Essar Spacetel Pvt. Ltd.	
	Bharti Hexacom Ltd.		
	BSNL	Dishnet Wireless Ltd.	BSNL
Jammu &		Bharti Airtel Ltd.	
Kashmir		Reliance Infocomm	
		Essar Spacetel Pvt. Ltd.	

<u>Usage Pattern for GSM (Full Mobility)</u>

<u>Table a: MoU & SMS (per subscriber per month)</u>

	Postpaid			Prepaid			Ι	
	O/G	I/C	Total	O/G	O/G	I/C	Total	O/G
Circle	MOU	MOU	MOU	SMS	MOU	MOU	MOU	SMS
Circle A	588	510	1098	55	198	240	438	29
Circle B	563	418	981	47	216	233	449	16
Circle C	601	464	1064	41	206	251	457	16
Metro	497	444	941	61	180	213	393	30
All India	552	463	1015	54	203	235	438	23

BLENDED [Postpaid + Prepaid]

Circle	O/G MOU	I/C MOU	Total MOU	O/G SMS
Circle A	235	266	500	32
Circle B	235	243	479	18
Circle C	231	265	496	18
Metro	245	261	506	36
All India	236	257	493	26

Table b: Composition of outgoing minutes of use

Circle	Local (Intra- circle)	NLD (Inter- circle)	ILD
Circle A	88.02%	11.49%	0.49%
Circle B	88.73%	10.75%	0.51%
Circle C	87.54%	12.31%	0.15%
Metro	76.62%	22.59%	0.79%
All India	86.33%	13.16%	0.51%

		To Mobile			
Circle	To Fixed	On-net	Off-net	Total	
Circle A	7%	50%	43%	93%	
Circle B	7%	60%	33%	93%	
Circle C	7%	68%	25%	93%	
Metro	9%	47%	44%	91%	
All India	7%	55%	37%	93%	

Table c: Composition of outgoing Local (Intra - circle) minutes of use

Table d: Composition of outgoing NLD (inter-circle) minutes of use

		To Mobile			
Circle	To Fixed	On-net	Off-net	Total	
Circle A	12%	33%	56 %	88%	
Circle B	9%	28%	63 %	91%	
Circle C	11%	29 %	60 %	89 %	
Metro	11%	21%	68 %	89 %	
All India	11%	27%	62 %	89 %	

Table e: Composition of Total outgoing minutes of use (excl. ILD)

		To Mobile			
Circle	To Fixed	On-net	Off-net	Total	
Circle A	7%	48 %	44 %	93 %	
Circle B	8%	56 %	36%	92 %	
Circle C	7%	63 %	30%	93 %	
Metro	9 %	41 %	49 %	91 %	
All India	8%	52%	41%	92 %	

Chart: Composition of outgoing MoUs

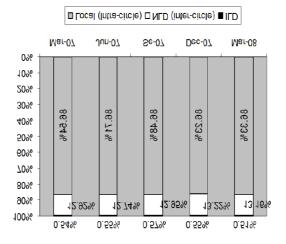


	Table a: MoU & SMS (per subscriber per month)												
		Postp	aid	Prepaid									
Circle	Outgoing MOU	Incoming MOU	Total MOU	Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU	Outgoing SMS					
Circle A	489	344	833	19	116	197	313	17					
Circle B	534	275	809	19	163	164	327	11					
Circle C	642	267	909	8	220	216	436	5					
Metro	517	273 790		23	133	147	280	22					
All India	517	296	813	20	145	173	318	15					

<u>Usage Pattern – CDMA (Full Mobility)</u>

		Blended											
Circle B	Outgoing MOU	Incoming MOU	Total MOU	Outgoing SMS									
Circle A	152	211	363	18									
Circle B	189	171	360	12									
Circle C	240	218	458	5									
Metro	184	163	347	22									
All India	180	184	364	16									

Table b: Composition of outgoing minutes of use

Circle	Local (Intra-circle)	NLD (Inter-Circle)	ILD
Circle A	90.3%	9.5%	0.2%
Circle B	89.7%	9.8 %	0.5%
Circle C	90.8%	9.1%	0.1%
Metro	81.4%	18.4 %	0.2%
All India	87.6%	12.1%	0.3%

Table c: Outgoing MoUs per subscriber per month

Circle	Local (Intra-circle)	NLD (Inter-Circle)	ILD		
Circle A	138	15	0.4		
Circle B	169	19	0.9		
Circle C	218	22	0.1		
Metro	149	34	0.5		
All India	158	21.7	0.6		

Table d: Composition of outgoing Local (Intra -circle) minutes of use based on terminating network.

Circle	To Fixed	To Mobile	To Own Network (Mobile)
Circle A	8%	92 %	47%
Circle B	6%	94 %	67%
Circle C	4%	96 %	61%
Metro	7%	93%	60%
All India	6%	94 %	59 %

Table e: Composition of Outgoing NLD (Inter-Circle) minutes of use based on terminating network

Circle	To Fixed	To Mobile	To Own Network (Mobile)
Circle A	15%	85%	38%
Circle B	11%	89 %	41%
Circle C	12%	88%	37%
Metro	10%	90%	29 %
All India	11%	89%	35%

Table f: Composition of Total outgoing minutes of use (excl. ILD) based on terminating network.

Circle	To Fixed	To Mobile
Circle A	9%	91 %
Circle B	6%	94 %
Circle C	4%	96 %
Metro	8%	92 %
All India	7%	93 %

<u>Average Subscriber Outgo (Rental + Call Charges) Per Minute</u> (Rs. Per Minute) for GSM (Full Mobility)

(Rs. Per Min)

	Postpaid	Prepaid	Blended
Circle A	0.92	0.94	0.94
Circle B	0.82	0.82	0.82
Circle C	0.91	1.04	1.02
Metros	1.06	1.07	1.06
All India	0.94	0.92	0.92

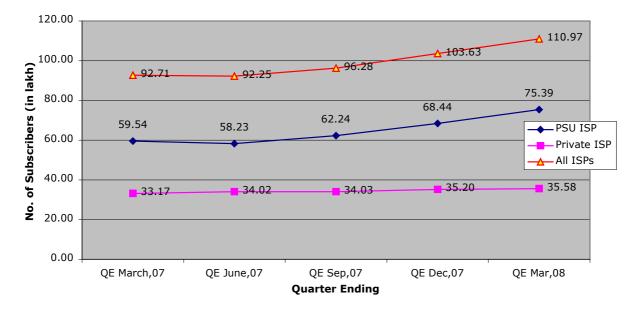
* Outgo includes both Rental and call charges

<u>Average Subscriber Outgo (Rental + Call Charges) Per Minute</u> (Rs. Per Minute) for CDMA (Full Mobility)

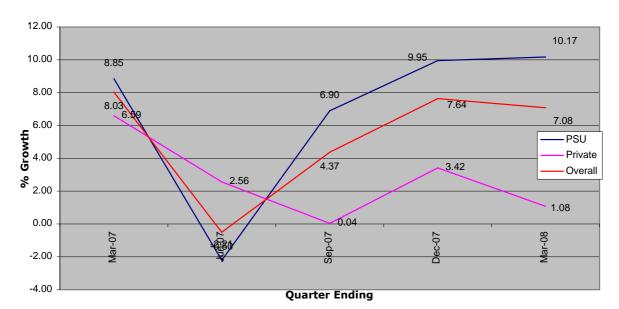
	Prepaid	Postpaid	Blended
	Rent + call	Rent + call	Rent + call
Category	Revenue per	Revenue per	Revenue per
	Outgoing Minute	Outgoing Minute	Outgoing Minute
Category - A	0.78	0.94	0.83
Category - B	0.68	0.83	0.71
Category - C	0.63	0.82	0.65
Metro	0.86	1.04	0.92
All India	0.74	0.94	0.79

Annex 3.1

Growth Pattern of Internet Subscribers



Growth Trends-I



Growth Trends-II

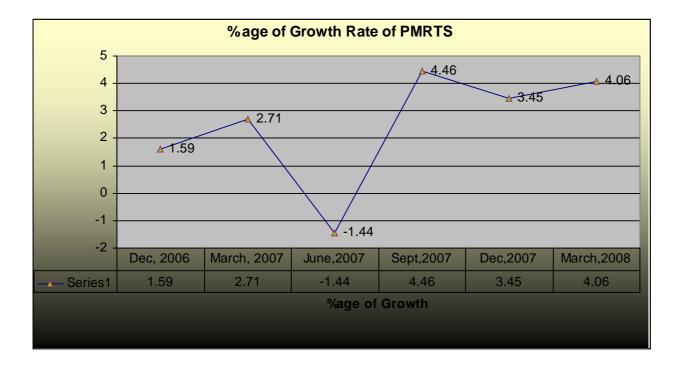
List of Internet Service Providers (ISPs) reporting Internet Telephony services

S. No.	Name of ISP
1	Apna Telelink Ltd.
2	Asianet Satellite Communications Ltd.
3	Bharti Airtel Ltd. (Bharti Televentures Ltd.)
4	Blazenet Ltd.*
5	Broadband Pacenet (I) Pvt. Ltd.
6	City Online Services Ltd.
7	CJ Online Pvt. Ltd.
8	Data Infosys Ltd.
9	DelDSL Internet Pvt. Ltd.
10	Digital2Virtual ISP Pvt. Ltd.
11	Dishnet Wireless Ltd.
12	Estel Communications Pvt. Ltd.
13	HCL Infinet Ltd.
14	In2cable (I) Ltd.
15	Mahanagar Telephone Nigam Ltd.
16	Manipal Ecommerce Ltd.
17	My Own Infotech Pvt. Ltd.*
18	Mylai Karpagambal Information Systems (P) Ltd.
19	NetMagic Solutions(P) Ltd.
20	Nettlinx Ltd.
21	Opto Network Pvt. Ltd.
22	Pioneer Online Pvt. Ltd.
23	Pulse Telesystems Pvt. Ltd.
24	Sify Ltd.
25	Southern Online Bio Technologies Ltd.
26	Swastik Netvision Telecom P. Ltd.
27	Trak Online Net India Pvt.Ltd
28	Trikon Electronics Pvt. Ltd.
29	Value Healthcare Ltd.
30	Videsh Sanchar Nigam Ltd.
31	VSNL Internet Services Ltd. (Primus Telecommunications)
32	YOU Telecom India Pvt. Ltd.

* ISP has not submitted report at the end of March 2008.

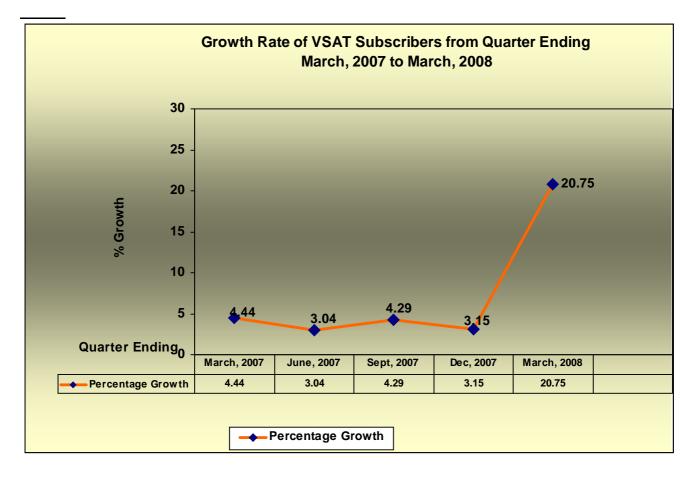
Annex 4.1

Growth Rate of PMRTS subscribers



Annex 4.2

Growth Rate of VSAT Subscribers



Annex 5.1

Quality of Service (QOS) Performance for Wireline Services

Annex - I, Page - (

Performance Monitoring Report of Quality of Services for Basic (Wire-line) Services for the Quarter ending March 2008

			nections after on of demand	incidences per 100 sub/month)	d by next working day	ate (Total no. of cases)	ĩ	Grade of service (calls per thousan d)	pletion rate in local network	ling credibility- % s disputed	for	Shifts	Additi Closures onal facility		Response Time		e to the Customer for ssistance	
SI. No	Service Area	Service Provider s	New connections registration of de	Fault incid sub	Fault repaired	Rent Rebate cas	Mean Time t	a) Junction	Call comple	Metering & billing of bills dis	Time taken deposits aft	95% c	95% of requests		answe	age of calls answered ectronically) %age of calls an by operator (vo voice)		or (voice to
			100% in < 7days	<5	>90%	For faults pending > 3 days to >15 days	<8 hrs	between local exchang e (2/1000)	>55%	<0.1%,	100% within 60 days	< 3 days	< 24 hours		within 20		Within 60 sec = 80%	within 90 sec = 95%
1	ANDHRA PRADESH	BSNL	89.01	3.55	91.98	NR	12.20	NR	62.94%	0.012	100.00%	79.00	91.35	84.47	100.00	100.00	89.17	92.47
		RELIAN CE	85.84	4.71	98.03	21	2.98	0.0000	NR	0.043	100.00%	95.58	98.72	98.25	100.00	100.00	95.00	98.00
		BHARTI	98.41	4.60	89.60	215	5.66	0.0014	59.24%	0.720	100.00%	96.56	99.73	93.10	100.00	100.00	87.00	90.00

		ТАТА	90.98	1.70	91.66	37	5.00	0.0010	86.81%	0.023	100.00%	91.95	100.00	96.87	100.00	100.00	91.00	95.00
		BSNL	100.00	5.20	82.33	2294	9.20	NR	62.30%	0.021	100.00%	100.00	84.54	84.70	NR	NR	NR	NR
2		ΤΑΤΑ	100.00	Nil	Nil	0	0.00	0.0020	61.96%	0.000	Nil	Nil	Nil	Nil	100.00	100.00	96.00	97.00
		RELIAN CE	93.10	0.00	Nil	0	0.00	0.0000	NR	0.000	NR	NA	NA	NA	100.00	100.00	95.00	98.00
		MTNL	99.91	6.33	93.58	16648	6.33	0.0000	49.42%	0.060	100.00%	92.05	98.80	98.50	92.63	98.33	96.67	97.83
3	DELHI	RELIAN CE	19.35	1.22	96.57	12	3.29	0.0000	NR	0.067	100.00%	96.13	97.29	98.65	100.00	100.00	95.00	98.00
0		BHARTI	99.87	4.00	94.48	1264	8.80	0.0010	60.78%	0.006	96.00%	97.54	98.33	92.89	100.00	100.00	96.03	98.70
		ТАТА	81.16	2.90	77.14	70	13.90	0.0000	82.85%	0.098	Nil	85.71	100.00	94.82	100.00	100.00	88.00	92.00
		BSNL	97.20	5.40	93.38	1011	7.70	NR	62.62%	0.050	100.00%	98.00	99.91	99.97	100.00	100.00	99.61	99.61
4	GUJARAT	RELIAN CE	89.25	3.32	98.25	16	5.34	0.0000	NR	0.094	100.00%	98.11	95.61	95.14	100.00	100.00	95.00	98.00
		BHARTI	99.64	2.70	97.71	5	7.22	0.0003	59.40%	0.038	100.00%	97.89	100.00	98.94	100.00	100.00	92.52	95.35
		ТАТА	98.67	5.30	95.76	13	4.60	0.0000	85.75%	0.085	94.05%	82.59	100.00	98.41	100.00	100.00	85.00	89.00
5	CHATTISG ARH	BSNL	89.15	7.80	85.16	NR	12.10	NR	63.78%	0.017	100.00%	97.00	100.00	100.00	100.00	100.00	100.00	100.00
		BSNL	100.00	3.90	95.15	51	5.80	NR	68.52%	0.030	100.00%	100.00	100.00	100.00	90.00	95.00	99.00	99.90
6	МР	RELIAN CE	89.27	1.08	98.50	6	4.79	0.0000	NR	0.069	100.00%	97.67	NA	NA	100.00	100.00	95.00	98.00
		BHARTI	94.81	5.90	97.62	869	5.90	0.0010	56.00%	0.068	99.27%	97.50	100.00	89.45	100.00	100.00	96.04	100.00
		BSNL	86.51	6.60	87.73	202	9.38	NR	53.59%	0.016	100.00%	83.00	93.76	96.24	100.00	100.00	100.00	100.00
7	MAHARAS	RELIAN CE	67.22	1.22	97.44	5	3.63	0.0000	NR	0.049	100.00%	100.00	97.90	97.68	100.00	100.00	95.00	98.00
	HTRA	BHARTI	89.19	3.07	93.29	31	2.80	0.0012	39.73%	0.001	100.00%	94.26	100.00	96.97	100.00	100.00	92.34	95.23
		ТАТА	79.98	2.13	92.78	0	7.90	0.0020	57.00%	0.097	Nil	71.51	97.71	85.63	100.00	100.00	87.00	90.00
8		BSNL	99.60	7.60	89.28	0	12.90	NR	66.39%	0.009	100.00%	98.00	100.00	99.76	100.00	100.00	100.00	100.00
		RELIAN CE	92.78	4.45	97.72	17	3.35	0.0000	NR	0.073	100.00%	97.44	98.30	95.47	100.00	100.00	95.00	98.00

		DUADT	00.00	0.00	05.04	47	0.40	0.0040	00.000/	0.04.4	100.000/	00.00	00.00	00.57	100.00	400.00	00.40	00.40
		BHARTI	99.93	3.00	95.31	47	9.10	0.0010	60.03%	0.014	100.00%	99.20	98.83	98.57	100.00	100.00	96.10	98.42
		ΤΑΤΑ	98.65	0.50	66.67	0	22.61	0.0000	81.52%	0.328	97.71%	Nil	100.00	100.00	100.00	100.00	93.00	96.00
		HFCL	98.91	4.40	98.33	20	4.70	0.0003	55.30%	0.085	100.00%	98.90	100.00	100.00	100.00	100.00	97.00	98.00
		BSNL	99.83	5.70	94.23	239	7.70	NR	64.89%	0.012	100.00%	99.00	100.00	99.98	100.00	100.00	80.67	95.00
	RAJASTHA	RELIAN CE	78.41	0.23	96.81	6	4.25	0.0010	NR	0.072	100.00%	100.00	99.62	100.00	100.00	100.00	95.00	98.00
9	N					-												
		BHARTI	97.60	4.00	94.31	23	10.80	0.0013	86.00%	0.006	92.00%	86.49	98.47	98.34	100.00	100.00	96.00	98.00
		SHYAM	98.46	2.95	99.10	NA	5.03	0.0010	92.00%	0.090	100.00%	98.25	100.00	99.40	NA	NA	89.00	NA
		BSNL	100.00	2.90	94.90	0	5.70	NR	78.76%	0.005	100.00%	100.00	100.00	100.00	98.71	98.71	99.66	99.73
10	TAMILNAD	RELIAN CE	100.00	1.84	88.21	4	3.89	0.0000	NR	0.038	100.00%	100.00	97.63	99.47	100.00	100.00	95.00	98.00
10	0 U	BHARTI	98.42	5.50	92.21	1523	20.96	0.0016	66.21%	0.250	100.00%	86.03	99.86	92.08	100.00	100.00	95.33	97.79
		ΤΑΤΑ	88.49	0.00	Nil	0	20.96	0.0000	85.32%	Nil	Nil	100.00	NIL	100.00	100.00	100.00	98.00	99.00
	HARYANA	BSNL RELIAN	99.92	5.10	95.74	360	7.30	NR	74.16%	0.004	100.00%	100.00	100.00	100.00	100.00	100.00	80.00	100.00
11		CE	99.08	0.00	NA	0	NA	0.0000	NR	0.000	100.00%	Nil	Nil	Nil	100.00	100.00	95.00	98.00
		ΤΑΤΑ	Nil	0.82	73.17	1	20.08	0.0000	89.82%	0.000	93.94%	Nil	Nil	83.33	100.00	100.00	92.00	96.00
		BHARTI	100.00	4.82	95.53	30	11.00	0.0010	64.10%	0.004	100.00%	98.61	98.75	96.48	100.00	100.00	96.10	98.42
		BSNL			93.37	7429	7.30	NR		0.026								99.98
		RELIAN	99.86	5.40	93.37	7429	7.30	INR	65.70%	0.026	100.00%	100.00	99.99	100.00	100.00	100.00	99.90	99.98
12	KARNATA KA	CE	64.26	1.23	98.09	17	3.28	0.0020	NR	0.031	100.00%	100.00	99.05	98.80	100.00	100.00	95.00	98.00
		BHARTI	97.10	4.80	91.96	2749	7.20	0.0013	54.27%	0.140	100.00%	93.50	99.93	94.46	100.00	100.00	75.00	83.00
		ΤΑΤΑ	74.13	0.04	90.80	1	5.20	0.0000	84.77%	0.008	Nil	73.33	100.00	100.00	100.00	100.00	89.00	93.00
13	A&N	BSNL	90.71	4.00	87.25	NR	5.40	NR	50.67%	0.000	100.00%	90.00	100.00	88.50	NR	NR	NR	NR
14	ASSAM	BSNL	88.62	7.40	72.64	NR	8.30	NR	59.18%	0.037	100.00%	100.00	93.28	92.35	99.00	100.00	94.67	97.33
15	CHENNAI	BSNL	99.53	3.20	93.90	11	8.80	NR	81.14%	0.009	100.00%	99.00	100.00	100.00	100.00	100.00	98.50	99.50
		RELIAN																
		CE	100.00	2.59	98.97	13	1.55	0.0000	NR	0.033	100.00%	100.00	94.64	95.22	100.00	100.00	95.00	98.00

		ТАТА	91.37	0.00	100.00	0	2.67	0.0000	87.84%	Nil	Nil	100.00	100.00	96.97	100.00	100.00	92.00	95.00
16	НР	RELIAN CE	0.00	0.00	NA	0	NA	0.0001	NR	0.000	100.00%	Nil	Nil	Nil	100.00	100.00	95.00	98.00
		BSNL	100.00	8.90	89.95	1158	7.80	NR	66.72%	0.005	100.00%	99.00	93.49	97.61	NR	NR	NR	NR
17	JHARKHAN D	BSNL	98.80	4.10	88.76	15	8.70	NR	52.40%	0.072	100.00%	98.00	98.89	99.46	NR	NR	NR	NR
18	J & K	BSNL	NA	9.40	73.04	NR	7.30	NR	50.34%	0.067	100.00%	Nil	99.94	94.82	NR	NR	NR	NR
		BSNL	98.37	6.60	87.16	1469	20.00	NR	70.18%	0.006	100.00%	92.00	99.17	99.18	100.00	100.00	81.42	100.00
19	KERALA	BHARTI	99.89	2.80	89.52	59	5.74	0.0006	67.93%	0.310	100.00%	93.32	99.95	81.76	100.00	100.00	100.00	100.00
19		ΤΑΤΑ	96.65	Nil	Nil	0	0.00	0.0000	83.86%	0.000	Nil	Nil	100.00	100.00	100.00	100.00	95.00	97.00
		RELIAN CE	34.53	0.75	98.81	NR	3.31	0.0000	NR	0.032	100.00%	97.30	97.57	99.03	100.00	100.00	95.00	98.00
		BHARTI	99.90	3.00	96.36	37	8.70	0.0030	69.70%	0.053	100.00%	93.88	98.74	99.12	100.00	100.00	96.10	98.42
20	KOLKATA	RELIAN CE	38.87	1.25	99.47	13	4.79	0.0000	NR	0.080	100.00%	98.08	97.18	97.78	100.00	100.00	95.00	98.00
20	-	ΤΑΤΑ	81.36	Nil	Nil	0	0.00	0.0000	81.33%	0.000	Nil	Nil	100.00	97.76	100.00	100.00	94.00	98.00
		BSNL	99.65	4.00	90.96	7844	9.80	NR	56.62%	0.084	100.00%	97.00	99.14	99.43	100.00	100.00	86.73	100.00
		ΤΑΤΑ	84.53	2.33	96.76	0	4.99	0.0000	57.00%	0.105	100.00%	98.26	100.00	98.75	100.00	100.00	90.33	93.33
21	MUMBAI	BHARTI	92.37	1.60	95.73	199	5.74	0.0018	63.54%	0.007	100.00%	95.27	100.00	98.68	100.00	100.00	93.14	95.74
21		RELIAN CE	17.77	0.29	98.14	10	3.17	0.0000	NR	0.054	100.00%	96.70	97.57	95.91	100.00	100.00	95.00	98.00
		MTNL	94.46	6.79	89.95	59100	13.11	0.0000	56.58%	0.054	100.00%	83.95	96.52	95.13	100.00	100.00	84.71	87.42
22	NE-I	BSNL	82.20	4.10	91.40	2153	23.80	NR	57.42%	0.028	100.00%	90.00	96.53	94.54	100.00	100.00	88.33	96.67
23	NE-II	BSNL	100.00	5.20	92.49	196	10.20	NR	67.81%	0.046	100.00%	100.00	100.00	100.00	73.29	82.00	97.67	99.00
24		BSNL	96.00	4.60	94.01	3610	7.40	NR	62.75%	0.029	100.00%	89.00	94.02	99.33	100.00	100.00	100.00	100.00
27		RELIAN CE	0.14	0.00	NA	0	NA	0.0000	NR	0.000	100.00%	Nil	100.00	Nil	100.00	100.00	95.00	98.00
		BSNL	98.73	6.10	93.48	1435	6.10	NR	76.67%	0.000	100.00%	98.00	97.90	99.59	100.00	100.00	100.00	100.00
25	UP-E	BHARTI	99.23	7.00	91.81	104	10.30	0.0010	61.61%	0.011	93.00%	100.00	98.35	96.66	100.00	100.00	96.10	98.42
		RELIAN CE	66.34	10.04	100.00	35	2.01	0.0000	NR	0.093	100.00%	100.00	97.63	99.47	100.00	100.00	95.00	98.00

		BSNL	92.79	7.10	91.85	572	7.30	NR	65.03%	0.032	100.00%	95.00	97.56	99.21	100.00	100.00	88.35	98.50
26	UP-W	BHARTI	99.83	7.00	93.64	41	11.10	0.0140	55.84%	0.015	97.00%	92.81	99.79	96.92	100.00	100.00	96.10	98.42
		RELIAN CE	100.00	0.00	NA	0	NA	0.0000	NR	0.000	100.00%	Nil	Nil	Nil	100.00	100.00	95.00	98.00
27	UTTRANCH AL	l BSNL	98.97	6.50	96.19	2	7.10	NR	76.67%	0.000	100.00%	94.00	98.59	98.86	NR	NR	90.33	98.00
00	WEST	BSNL	100.00	5.90	84.97	387	9.38	NR	65.07%	0.017	100.00%	99.00	100.00	100.00	95.67	98.00	95.33	98.33
28	BENGAL	RELIAN CE	50.00	0.00	NA	0	NA	0.0000	NR	0.000	100.00%	Nil	Nil	Nil	100.00	100.00	95.00	98.00

Operator not meeting the prescribed benchmark

NR = Data Not Reported

NA = Not Applicable

Annex 5.2

Quality of Service Performance for Wireless Services

				<u>Yu</u>	uncy or	Service				ameters	5 501710				ĺ	
				(A) Network P	erformance			I alo		stomer help	lines	(C) Billing Complaints			
		(i)	(ii)				(1)	(<i>vi</i>)		(B) Cu	•			s (iii)		
		(i) Accumulat	(ii)	(iii) Service	Blocked Call Ra	te (Averaged	(V) Call Drop	(vi)		Despense time	(i)		(i)	(ii) % of complaints	(III) Period of	
SI. No.		ed down time of communit	Set-up Succes s Rate	Access	over the quarter)		Call Drop Rate	%age of connections with good voice quality		Response time	to the customer fr		% of complaints resolved within 4 weeks	Period of all refunds/ payment due to customers from the date of resolution of complaints as in (ii) above		
			Benchmarks													
		<24 hrs	>95%		SDCCH / Paging Channel Congestion <1%		<3%	>95%	(I) %age of calls answered (electronic ally) within 20 seconds = 80%,	(I) %age of calls answered (electronically) within 40 seconds = 95%	 (I) %age of calls answered by operator (voice to voice); within 60 seconds=80%, 	 (I) %age of calls answered by operator (voice to voice); within 90 seconds = 95%, 	<0.1%	100%	<4 weeks	
	'A' Circle															
1	Maharashtra															
1	Vodafone Essar	1.16		13.50	0.55%	1.44%	1.19%	97.76%	95.00%	95.00%	100.00%	100.00%	0.070%	100.00%	15 days	
2	IDEA Cellular	4.52		9.19	0.94%	1.39%	1.17%	99.10%	100.00%	100.00%	99.03%	99.32%	0.030%	100.00%	30 days	
3	BSNL	0.00		8.80	0.70%	1.60%	2.30%	97.50%	100.00%	100.00%	80.70%	96.10%	0.032%	100.00%	30 days	
4	Bharti Airtel Limited	21.25	97.49 %	11.11	0.54%	1.35%	1.27%	96.50%	100.00%	NA	94.20%	97.80%	0.070%	100.00%	30 days	

	_														
		2.04	99.40		2.000/	2.000/					2 1 000 /	00 700/	a 2000/		
5	Reliance Comm	0.21	%	4.10	0.00%	0.00%	0.70%	98.50%	97.30%	97.30%	94.60%	96.70%	0.060%	100.00%	30 days
6	Tata Teleservices	12.45	97.68 %	12.00	0.00%	0.63%	0.71%	96.67%	100.00%	100.00%	87.00%	90.33%	0.090%	100.00%	30 days
ii	Gujarat														
			98.49												
7	Vodafone Essar	18.30	%	9.49	0.35%	0.64%	0.95%	95.65%	100.00%	100.00%	98.90%	99.70%	0.060%	100.00%	15 days
8	IDEA Cellular	2.10	98.74 %	13.10	0.90%	0.58%	1.84%	97.23%	100.00%	100.00%	92.00%	96.00%	0.080%	100.00%	30 days
		2.10	99.43	10.10	0.0070	0.0070	1.0-170	01.2070	100.0070	100.0070	02.0070	00.0070	0.00070	100.0070	
9	BSNL	0.00	%	2.16	0.64%	1.63%	1.55%	95.00%	100.00%	100.00%	85.00%	95.00%	0.034%	100.00%	30 days
10	Bharti Airtel	16.26	97.45 %	14.53	0.80%	1.05%	0.02%	96.78%	100.00%	NA	90.10%	92.80%	0.000%	100.00%	30 days
10	Limited	10.20	% 99.40	14.55	0.00 /0	1.00%	0.02 %	90.7070	100.00 %	INA	90.1070	92.00 /0	0.000 /0	100.00 %	30 uays
11	Reliance Comm	0.17	%	4.10	0.00%	0.00%	0.70%	98.50%	97.30%	97.30%	92.20%	95.10%	0.050%	100.00%	30 days
10	Tata Talagan jaga	0.40	98.84	F 20	0.00%	0.049/	0.429/	09 629/	100.00%	100.009/	GE 709/	72.00%	0.0609/	100.00%	20 dayo
12	Teleservices Andhra	0.49	%	5.39	0.00%	0.04%	0.43%	98.62%	100.00%	100.00%	65.70%	72.00%	0.060%	100.00%	30 days
iii	Pradesh														
12	IDEA Cellular	10.00	99.33 %	7 00	0.57%	1.34%	1.79%	06 22%	100.00%	100.00%	81.00%	96.00%	0.030%	100.00%	20 days
13	Bharti Airtel	10.00	% 96.13	7.00	0.57 %	1.34 /0	1.7970	90.3370	100.00 %	100.0076	01.00%	90.00 /0	0.03076	100.00%	30 days
14	Limited	5.35	%	2.29	1.31%	2.84%	0.97%	99.00%	100.00%	NA	95.00%	96.00%	0.010%	100.00%	30 days
] [95.00												Immediat
15	BSNL	10.67	%	7.10	0.60%	3.02%	1.69%	98.00%	99.27%	99.59%	80.00%	95.00%	0.001%	100.00%	
10	Vedefere Feeer	10.00	99.87	9.00	0.40%	0.450/	1.000/	00.000/	100.000/	100.00%	00.00%	00.00%	0.000%	100.000/	15 days
16	Vodafone Essar	19.60	% 99.40	9.00	0.10%	0.15%	1.00%	98.00%	100.00%	100.00%	96.60%	99.30%	0.090%	100.00%	15 days
17	Reliance Comm	0.38	90.40 %	4.00	0.00%	0.00%	0.70%	99.60%	97.30%	97.30%	64.50%	72.40%	0.060%	100.00%	30 days
10	Tata	0.00	98.65	5 50	0.000/	0.400/	0.000/	00.000/	100.000/	100.000/	70.0000	70.000/	0.0000/	100.000/	00.1
18	Teleservices	0.22	%	5.52	0.00%	0.13%	0.36%	99.36%	100.00%	100.00%	73.30%	78.90%	0.030%	100.00%	30 days
iv	Karnataka Bharti Airtel		97.00												──┤
19	Limited	17.75	97.00 %	6.50	0.91%	1.61%	1.68%	<u>95.1</u> 0%	100.00%	NA	93.80%	97.60%	0.000%	100.00%	30 days
		00.40	98.90	0.07	0.400/	4.6.42	1.010	00.05%	100.000	100.000	00.000	00.000	0.0000	100.000	
20	Spice Comm.	22.48	% 97.27	8.35	0.40%	1.34%	1.21%	99.05%	100.00%	100.00%	93.80%	98.30%	0.023%	100.00%	30 days
21	BSNL	9.57	91.21 %	3.52	0.89%	1.94%	1.21%	97.53%	100.00%	100.00%	90.36%	95.19%	0.050%	100.00%	NIL
			98.58	10.01			1.005	00.455		100.055					
22	Vodafone Essar	23.08	%	10.21	0.11%	1.41%	1.22%	98.48%	100.00%	100.00%	98.90%	99.13%	0.090%	100.00%	15 days

23	Reliance Comm	0.83	99.40 %	4.10	0.00%	0.00%	0.60%	99.90%	97.30%	97.30%	82.80%	87.60%	0.060%	100.00%	30 days
24	Tata		97.90												
	Teleservices	0.37	%	5.10	0.00%	0.13%	0.90%	98.66%	100.00%	100.00%	90.70%	92.30%	0.030%	100.00%	30 days
v	Tamil Nadu														
25	Vodafone Essar	21.59	99.12 %	12.56	0.16%	1.84%	1.48%	99.20%	100.00%	100.00%	99.50%	100.00%	0.090%	100.00%	15 days
			98.54												
26	Aircel	11.38	% 96.32	11.13	0.04%	1.64%	0.64%	95.66%	100.00%	100.00%	98.00%	99.00%	0.050%	100.00%	30 days
27	BSNL	0.00	90.32 %	9.99	0.87%	1.91%	1.14%	96.09%	100.00%	100.00%	81.00%	95.00%	0.000%	100.00%	NIL
	Bharti Airtel		98.99												
28	Limited	0.00	%	3.22	0.61%	0.44%	0.99%	98.85%	100.00%	NA	95.90%	97.90%	0.010%	100.00%	30 days
29	Reliance Comm	0.00	99.40 %	4.10	0.00%	0.00%	0.80%	98.80%	97.30%	97.30%	68.10%	73.50%	0.070%	100.00%	30 days
	Tata	0.00	99.76	1.10	0.0070	0.0070	0.0070	00.0070	01.0070	01.0070	00.1070	10.0070	0.01070	100.0070	oo aayo
30	Teleservices	0.27	%	5.26	0.00%	0.38%	0.87%	99.63%	100.00%	100.00%	88.20%	90.60%	0.030%	100.00%	30 days
	B' Circle														
vi	Kerala														
			99.59	10.07										400.000/	
31	IDEA Cellular	22.04	% 97.55	12.67	0.49%	1.12%	1.02%	96.93%	97.00%	99.00%	82.00%	96.00%	0.080%	100.00%	30 days
32	Vodafone Essar	11.00	37.33 %	14.01	0.67%	0.78%	1.01%	98.87%	100.00%	100.00%	97.86%	100.00%	0.030%	100.00%	15 days
			97.26												
33	BSNL Bharti Airtel	23.35	% 99.53	4.40	0.32%	2.80%	1.30%	98.10%	100.00%	100.00%	91.89%	95.10%	0.001%	100.00%	30 days
34	Limited	9.70	99.53 %	12.41	0.37%	0.18%	0.92%	95.27%	100.00%	NA	85.00%	96.00%	0.010%	100.00%	30 days
	Tata		99.57												
35	Teleservices	0.00	% 99.40	4.53	0.00%	0.00%	0.54%	98.37%	100.00%	100.00%	83.20%	88.90%	0.020%	100.00%	30 days
36	Reliance Comm	0.33	99.40 %	4.10	0.00%	0.00%	0.60%	97.80%	97.30%	97.30%	95.30%	97.40%	0.090%	100.00%	30 days
vii	Punjab														,
			98.52												
37	Spice Comm.	4.72	%	9.10	0.01%	0.37%	0.75%	97.01%	100.00%	100.00%	96.00%	96.00%	0.100%	100.00%	30 days
38	HFCL - CDMA	1.12	98.95 %	12.70	0.00%	0.01%	0.75%	97.41%	100.00%	100.00%	98.00%	98.00%	0.002%	NR	30 days
	Bharti Airtel	1.12	99.21	12.70	0.0070	0.0170	0.1070	07.1170		100.0070	00.0070	00.007	0.00270		Jo dayo
39	Limited	2.80	%	3.00	0.23%	0.51%	1.36%	98.20%	100.00%	NA	96.30%	98.70%	0.010%	100.00%	30 days
40	Vodafone Essar	3.70	99.58 %	10.00	0.09%	0.00%	1.25%	97.58%	95.50%	95.30%	99.30%	99.70%	0.020%	100.00%	15 days

					T										
44	DONI	1.02	98.13 %	3.75	0.55%	1.80%	0.700/	07 400/	07.000/	00.000/	07.000/	00.000/	0.000%	100.000/	NIII
41	BSNL	1.02	% 99.40	3.75	0.55%	1.80%	2.76%	97.40%	87.00%	96.30%	87.60%	96.60%	0.000%	100.00%	NIL
42	Reliance Comm	0.17	99.40 %	4.10	0.00%	0.00%	0.60%	98.50%	97.30%	97.30%	82.00%	86.70%	0.090%	100.00%	30 days
	Tata		98.53												
43	Teleservices	0.00	%	5.00	0.00%	0.00%	0.85%	98.29%	100.00%	100.00%	82.20%	87.00%	0.060%	100.00%	30 days
viii	Haryana														
44	IDEA Cellular	18.35	99.98	10.26	0.30%	0.50%	1.75%	00 110/	100.00%	100.00%	97.00%	99.00%	0.050%	100.00%	30 days
44	IDEA Celiulai	10.55	99.94	10.20	0.30%	0.50%	1.75%	90.44 /0	100.00%	100.00 %	97.00%	99.00%	0.050%	100.00 %	30 uays
45	Vodafone Essar	3.64	%	9.00	0.04%	0.81%	2.28%	95.60%	100.00%	100.00%	99.00%	99.30%	0.090%	100.00%	15 days
10	DONI	4.40	95.30	4 70	0.000/	4.000/	0.000/	00.000/	400.000/	400.000/	00.000/	05.000/	0.0400/	100.000/	00 I
46	BSNL Bharti Airtel	4.43	% 99.44	4.70	0.80%	1.80%	2.80%	96.90%	100.00%	100.00%	80.00%	95.00%	0.010%	100.00%	30 days
47	Limited	1.90	99.44 %	7.20	0.52%	0.49%	0.93%	96.36%	100.00%	NA	97.20%	99.60%	0.000%	100.00%	30 days
			99.40												
48	Reliance Comm	0.00	%	4.00	0.00%	0.00%	0.80%	97.50%	97.30%	97.30%	89.60%	93.30%	0.060%	100.00%	30 days
49	Tata Teleservices	0.34	98.38 %	5.26	0.00%	0.05%	0.83%	98.43%	100.00%	100.00%	54.90%	59.00%	0.080%	100.00%	30 days
ix	UP - W		,.												
	0		99.84												
50	Vodafone Essar	0.00	%	9.20	0.75%	1.85%	1.74%	95.38%	99.93%	99.93%	83.50%	85.33%	0.050%	100.00%	15 days
54	IDEA Cellular	17.53	99.70 %	0.83	1.19%	11.04%	1.05%	07.000/	100.00%	100.00%	94.00%	99.00%	0.070%	100.00%	
51	IDEA Cellular	17.55	99.00	0.63	1.19%	11.04%	1.05%	97.00%	100.00%	100.00%	94.00%	99.00%	0.070%	100.00%	30 days
52	BSNL	0.00	%	14.00	0.89%	1.85%	2.88%	99.00%	91.31%	96.77%	80.00%	95.00%	0.001%	100.00%	1 day
	Bharti Airtel		96.90												
53	Limited	21.75	%	14.10	0.94%	0.71%	1.22%	96.31%	100.00%	NA	79.00%	86.00%	0.110%	100.00%	30 days
54	Reliance Comm	0.00	99.30 %	4.20	0.00%	0.00%	0.80%	98.50%	97.30%	97.30%	89.00%	92.70%	0.090%	100.00%	30 days
-	Tata		97.54												
55	Teleservices	0.35	%	5.26	0.00%	0.45%	0.93%	99.80%	100.00%	100.00%	40.20%	45.00%	0.030%	100.00%	30 days
x	UP -E														
56	Bharti Airtel Limited	21.88	96.23 %	11.60	0.93%	1.67%	1.34%	06 250/	100.00%	NA	51.00%	69.00%	0.200%	100.00%	30 days
00	Limited	21.88	% 97.80	11.60	0.93%	1.07%	1.34%	90.30%	100.00%	NA	51.00%	69.00%	0.200%	100.00%	30 days
57	Vodafone Essar	0.00	97.80 %	9.00	0.14%	1.01%	1.90%	96.89%	100.00%	100.00%	100.00%	100.00%	0.000%	100.00%	15 days
		10.55	99.11	10.0-	0.0671		1.005	0= 4.453		100.0551				100	
58	IDEA Cellular	18.00	%	10.00	0.20%	0.87%	1.28%		100.00%	100.00%	98.00%	99.00%	0.090%	100.00%	30 days
59	BSNL	22.00	98.00	10.00	0.80%	1.80%	2.40%	98.40%	82.00%	96.00%	83.00%	96.00%	0.070%	100.00%	30 days

			%												
60	Reliance Comm	0.18	99.30 %	4.00	0.00%	0.00%	0.70%	99.80%	97.30%	97.30%	90.80%	93.50%	0.090%	100.00%	30 davs
	Tata		98.28												
61	Teleservices	0.30	%	5.49	0.00%	0.02%	0.70%	98.80%	100.00%	100.00%	52.30%	57.10%	0.040%	100.00%	30 days
xi	Rajasthan		00.00												
62	Vodafone Essar	19.44	96.82 %	9.65	0.64%	0.69%	1.07%	95.71%	99.20%	99.30%	98.40%	99.00%	0.090%	100.00%	15 days
63	BSNL	22.28	97.49 %	6.57	0.31%	1.36%	2.49%	96.70%	98.73%	99.20%	79.00%	93.00%	0.070%	100.00%	30 days
64	IDEA Cellular	00.50	98.82 %	5.00	0.000/	0.700/	4.000/	00.040/	NA	NIA	00 700/	00.40%	0.0000/	400.000/	00 100
64	Bharti Airtel	22.50	% 97.54	5.23	0.68%	0.70%	1.96%	98.81%	NA	NA	96.70%	98.40%	0.080%	100.00%	30 days
65	Limited	14.54	%	9.64	4.14%	5.11%	1.18%	97.17%	100.00%	NA	53.00%	62.00%	0.000%	100.00%	30 days
66	Reliance Comm	0.23	99.40 %	4.10	0.00%	0.00%	0.80%	99.30%	97.30%	97.30%	94.10%	96.60%	0.070%	100.00%	30 days
67	Tata Teleservices	0.37	97.57 %	5.49	0.00%	0.62%	0.97%		100.00%	100.00%	71.60%	78.50%	0.050%	100.00%	30 days
07	Shyam Telelink	0.07	98.67	5.45	0.0078	0.0270	0.3770	30.4070	100.0070	100.0078	71.0070	10.0070	0.00070	100.0078	JU UAYS
68	Ltd	7.56	%	6.00	0.50%	0.44%	0.52%	98.00%	NA	NA	89.00%	NA	0.090%	100.00%	30 days
xii	Madhya Pradesh														
69	IDEA Cellular	22.58	96.82 %	0.91	1.20%	8.33%	1.69%	96.86%	100.00%	100.00%	71.00%	86.00%	0.000%	100.00%	30 days
70	Reliance	00.04	100.00	7.40	0.000/	4.000/	4.000/	05 000/	100.000/	400.000/	04.000/	100.000/	0.0400/	100.000/	
70	Telecom	23.31	% 96.89	7.46	0.39%	1.63%	1.30%	95.98%	100.00%	100.00%	91.00%	100.00%	0.010%	100.00%	1 day
71	BSNL	3.87	%	9.67	0.49%	1.48%	2.39%	97.17%	100.00%	100.00%	80.70%	96.10%	0.002%	100.00%	21 days
72	Bharti Airtel Limited	21.33	97.97 %	9.94	0.40%	0.99%	1.03%	98.70%	100.00%	NA	84.00%	86.00%	0.010%	100.00%	30 days
73	Reliance Comm	0.98	99.40 %	4.10	0.00%	0.00%	0.90%	98.80%	97.30%	97.30%	92.30%	95.40%	0.050%	100.00%	30 days
74	Tata Teleservices	0.37	98.09 %	4.86	0.00%	0.00%	0.78%	98.44%	100.00%	100.00%	66.10%	72.80%	0.040%	100.00%	
xiii	West Bengal														
	Bharti Airtel		93.80												
75	Limited	0.00	%	5.54	2.66%	2.19%	1.32%	95.61%	100.00%	NA	96.00%	97.00%	0.010%	100.00%	30 days
76	Reliance Telecom	13.20	99.00 %	7.90	0.34%	1.18%	1.36%	<u>96.5</u> 1%	100.00%	NA	96.00%	NIL	0.000%	100.00%	Immediat e

			98.00												
77	BSNL	0.00	%	9.80	0.67%	1.50%	2.35%	97.80%	88.00%	97.00%	89.00%	97.00%	0.040%	100.00%	13 days
78	Tata Teleservices	0.44	97.76 %	4.59	0.00%	0.04%	0.87%	98.50%	100.00%	100.00%	81.60%	86.10%	0.030%	100.00%	30 days
79	Reliance Comm	0.70	99.30 %	4.10	0.00%	0.00%	1.10%	97.10%	97.30%	97.30%	97.50%	98.40%	0.030%	100.00%	30 days
80	Vodafone Essar	0.00	99.95 %	14.30	0.40%	1.24%	1.72%	97.70%		100.00%	98.50%	99.10%	0.090%	100.00%	
			98.73												
81	Dishnet	0.00	%	8.00	0.97%	0.97%	0.86%	99.38%	100.00%	100.00%	67.00%	67.00%	0.100%	100.00%	30 days
	C' Circle Himachal														
xiv	Pradesh														
82	Bharti Airtel Limited	7.73	98.50 %	7.35	0.53%	0.73%	1.31%	95.00%	100.00%	NA	85.30%	93.70%	0.000%	100.00%	30 days
83	IDEA Cellular	0.00	99.42	11.63	0.12%	0.51%	1.81%	98.35%	NA	NA	85.00%	90.00%	0.000%	100.00%	
- 65	Reliance	0.00	99.00	11.03	0.1276	0.51%	1.0176	90.3376		INA	85.00%	90.00%	0.000 %	100.00 %	30 uays
84	Telecom	23.38	%	6.47	0.29%	1.98%	1.52%	96.65%	100.00%	NA	78.00%	100.00%	0.000%	NA	NA
85	BSNL	0.00	96.30 %	5.20	0.80%	1.90%	2.60%	96.10%	95.00%	96.00%	81.70%	96.70%	0.000%	100.00%	30 days
86	Reliance Comm	0.33	99.40 %	4.20	0.00%	0.00%	0.70%	98.50%	97.30%	97.30%	82.00%	86.70%	0.030%	100.00%	30 days
87	Tata Teleservices	0.30	98.77	5.39	0.00%	0.14%	0.55%		100.00%	100.00%	80.60%	83.30%	0.040%	100.00%	
_			% 98.72												
88	Dishnet	0.00	%	8.00	0.99%	1.00%	0.69%	99.20%	100.00%	100.00%	100.00%	100.00%	NIL	NIL	NIL
xv	Bihar Reliance		97.00												
89	Telecom	12.46		9.57	0.92%	1.55%	1.68%	95.74%	NR*	NR*	NR	96.00%	0.000%	100.00%	NIL
90	BSNL	22.00	98.00 %	12.00	0.40%	0.90%	1.20%	98.60%	88.00%	98.00%	86.00%	96.00%	0.030%	99.78%	30 days
	DOINE	22.00	99.30	12.00	0.4070	0.0070	1.2070	00.0070	00.0070	50.0070	00.0070	50.0070	0.00070	00.1070	00 days
91	Reliance Comm	0.49		4.10	0.00%	0.00%	0.80%	97.30%	97.30%	97.30%	96.20%	97.10%	0.080%	100.00%	30 days
92	Bharti Airtel Limited	0.00	97.02 %	9.60	6.25%	4.98%	2.39%	96.54%	100.00%	NA	91.10%	94.90%	0.120%	100.00%	30 days
93	Tata Teleservices	0.50	97.53 %	5.54	0.00%	0.16%	0.86%	97.79%	100.00%	100.00%	82.30%	85.90%	0.020%	100.00%	30 days
			97.12		0.87%								NIL	NIL	
94	Dishnet	0.00	%	8.00	0.87%	0.86%	0.87%	99.17%	100.00%	100.00%	56.31%	56.31%	NIL	NIL	NIL

xvi	Orissa														
_	Reliance		99.17												
95	Telecom	22.16	%	6.98	0.61%	1.96%	1.38%	97.01%	NA	NA	95.67%	100.00%	0.000%	100.00%	NA
96	BSNL	8.00	98.00 %	11.00	0.97%	1.96%	2.09%	98.00%	95.00%	97.00%	96.00%	98.00%	0.030%	100.00%	NIL
97	Bharti Airtel Limited	0.00	98.01 %	8.10	0.86%	1.67%	1.63%	99.04%	100.00%	NA	89.00%	92.10%	0.000%	100.00%	30 days
98	Reliance Comm	0.85	99.40 %	4.10	0.00%	0.00%	0.80%	98.60%	97.30%	97.30%	92.30%	95.40%	0.060%	100.00%	30 days
99	Tata Teleservices	0.36	98.40 %	5.10	0.00%	0.17%	0.91%	98.81%	100.00%	100.00%	84.90%	87.90%	0.010%	100.00%	30 days
100	Dishnet	0.00	98.50 %	8.00	0.98%	0.92%	0.77%	99.33%	100.00%	100.00%	91.09%	91.09%	0.040%	100.00%	30 days
xvii	Assam		, .												
101	Bharti Airtel Limited	3.75	96.01 %	9.00	0.32%	1.06%	1.30%	96.56%	100.00%	NA	79.00%	84.00%	0.200%	100.00%	30 days
102	BSNL	3.45	97.00 %	12.00	0.60%	1.70%	2.80%	97.00%	98.00%	99.00%	86.00%	96.00%	0.060%	100.00%	30 days
103	Reliance Telecom	19.32	96.00 %	7.53	1.64%	4.96%	1.97%	95.30%	NA	NA	88.92%	95.26%	0.070%	100.00%	NA
104	Dishnet	0.00	98.51 %	8.00	0.93%	0.83%	0.86%	99.20%	100.00%	100.00%	71.73%	71.73%	0.000%	100.00%	30 days
xviii	J&K														
105	BSNL	0.00	98.00 %	12.00	0.90%	1.90%	1.90%	99.90%	82.00%	97.00%	81.00%	96.00%	0.090%	100.00%	21 days
106	Bharti Airtel Limited	10.04	98.52 %	4.60	0.43%	0.67%	1.40%	95.93%	97.00%	98.00%	96.00%	98.00%	0.020%	100.00%	30 days
107	Dishnet	0.00	97.71 %	8.00	0.94%	0.96%	0.61%	99.20%	100.00%	100.00%	93.94%	93.94%	0.000%	100.00%	30 days
xix	NE														
108	BSNL	0.46	97.97 %	12.33	0.91%	1.24%	2.07%	95.66%	96.33%	96.33%	94.66%	96.33%	0.060%	100.00%	30 days
109	Bharti Airtel Limited	6.28	97.16 %	9.00	1.50%	2.18%	2.30%	95.05%	100.00%	NA	86.00%	89.00%	0.130%	100.00%	30 days
110	Reliance Telecom	17.12	97.70 %	7.54	1.47%	4.76%	1.73%	97.60%	NA	NA	82.00%	100.00%	0.070%	100.00%	NA
111	Dishnet	0.00	98.48 %	8.00	0.69%	0.82%	0.78%	99.27%	100.00%	100.00%	100.00%	100.00%	0.000%	100.00%	30 days
	METRO														

xx	Delhi														
112	Bharti Airtel Limited	0.00	98.90 %	13.10	0.22%	0.19%	0.99%	96.00%	100.00%	NA	94.80%	98.20%	0.040%	100.00%	30 days
112	Limited	0.00	% 98.87	13.10	0.22%	0.19%	0.99%	96.00%	100.00%	NA NA	94.80%	98.20%	0.040%	100.00%	30 days
113	Vodafone Essar	0.00	%	6.97	0.18%	0.09%	0.71%	97.51%	98.50%	98.50%	96.00%	98.10%	0.010%	100.00%	15 days
114	MTNL - GSM (i)	0.00		9.31	0.20%	4.45%	1.33%	NR	99.00%	100.00%	25.00%	41.00%	0.180%	100.00%	30 days
114	MTNL - CDMA (ii)	0.00	97.89 %	NR	NR	0.14%	1.36%	96.93%	NR*	NR*	99.36%	99.52%	0.090%	100.00%	NR
	()	0.00	98.94			011170		00.0070			00.0070	0010270	0100070	10010070	
115	IDEA Cellular	0.00	%	9.00	0.32%	0.88%	0.70%	98.46%	100.00%	100.00%	91.00%	98.00%	0.050%	100.00%	30 days
116	Tata Teleservices	0.00	98.50 %	5.04	0.00%	0.55%	0.65%	98.67%	100.00%	100.00%	42.10%	47.20%	0.040%	100.00%	30 days
117	Reliance Comm	0.00	99.40 %	4.20	0.00%	0.00%	0.50%	99.00%	97.30%	97.30%	97.10%	98.10%	0.080%	100.00%	30 days
xxi	Mumbai	0.00	70	4.20	0.0070	0.0078	0.0070	33.0070	37.3070	57.5070	57.1078	50.1078	0.00078	100.0078	50 uays
~~	Mambai		99.41												
118	BPL Mobile	3.00	%	11.13	0.64%	0.65%	1.56%	97.35%	86.78%	NA	85.16%	98.62%	0.060%	100.00%	30 days
119	Vodafone Essar	0.00		10.00	0.73%	1.42%	1.79%	95.50%	99.06%	99.83%	87.00%	95.10%	0.000%	100.00%	15 days
120	MTNL - GSM (i)	0.00		9.28	0.62%	1.58%	1.66%	96.39%	86.00%	98.00%	88.00%	96.00%	0.039%	100.00%	30 days
120	MTNL - CDMA (ii)	0.00	96.39 %	2.59	0.95%	0.11%	1.26%	97.60%	NR*	NR*	NR*	NR*	NR	NR	NR
121	Bharti Airtel Limited	0.00	95.32 %	3.40	0.35%	0.67%	1.08%	99.46%	100.00%	NA	90.60%	93.80%	0.070%	100.00%	30 days
			99.40												
122	Reliance Comm Tata	0.00	% 98.28	4.00	0.00%	0.00%	0.60%	99.20%	97.30%	97.30%	94.90%	97.20%	0.070%	100.00%	30 days
123	Teleservices	0.00	%	12.00	0.00%	0.57%	0.48%	97.58%	100.00%	100.00%	90.33%	93.33%	0.060%	100.00%	30 days
xxii	Chennai														
124	Aircel Cellular Ltd	0.00	97.55 %	13.90	0.08%	1.59%	0.49%	95.40%	NR*	NR*	93.00%	100.00%	0.100%	100.00%	30 days
127		0.00	99.75	10.00	0.0070	1.0070	0.4070	00.4070			00.0070	100.0076	0.10076	100.0070	50 44 93
125	Vodafone Essar	0.00		11.10	0.04%	0.64%	0.64%	99.80%	100.00%	100.00%	96.83%	97.30%	0.020%	100.00%	15 days
126	BSNL	0.00	99.00 %	10.00	0.20%	1.00%	1.00%	100.00%	99.00%	99.00%	91.00%	94.00%	0.000%	100.00%	30 days
127	Reliance Comm	0.00	99.40 %	4.00	0.00%	0.00%	0.70%	99.50%	97.30%	97.30%	73.00%	77.90%	0.090%	100.00%	30 days
128	Tata Teleservices	0.00	99.91 %	5.49	0.00%	0.00%	0.30%		100.00%	100.00%	87.50%	90.30%	0.040%	100.00%	
120	1 616261 11662	0.00	70	0.49	0.00%	0.00%	0.30%	99.31%	100.00%	100.00%	07.00%	90.30%	0.040%	100.00%	30 uays

	Bharti Airtel Limited *														
xxiii	Kolkata														
	Bharti Airtel		97.55												
129	Limited	0.00	%	6.62	0.47%	0.24%	1.05%	95.76%	100.00%	NA	96.00%	97.00%	0.010%	100.00%	30 days
100		0.00	99.98	44.50	0.000/	0.040/	0.000/	07.000/	400.000/	100.000/	05 700/	07.000/	0.0000	100.000/	00.1
130	Vodafone Essar	0.00	%	14.50	0.38%	0.81%	0.82%	97.08%	100.00%	100.00%	95.70%	97.80%	0.000%	100.00%	30 days
131	BSNL	0.00	98.13 %	9.10	0.65%	1.28%	0.99%	99.02%	96.17%	98.50%	82.00%	94.00%	0.050%	100.00%	30 days
101		0.00	70	3.10	0.0070	1.20/0	0.3370	33.0270	30.1770	50.5070	02.0070	57.0070	0.00070	100.0070	50 uays
	Reliance Telecom (Reliable		99.00												
132	Internet. Ser.**)	0.00	%	8.13	0.01%	0.24%	1.20%	97.73%	100.00%	100.00%	88.55%	NR	0.000%	NA	40 days
	Tata		99.01												
133	Teleservices	0.00	%	5.11	0.00%	0.90%	0.68%	98.37%	100.00%	100.00%	81.70%	86.70%	0.020%	100.00%	30 days
134	Reliance Comm	0.00	99.40 %	4.10	0.00%	0.00%	0.60%	98.80%	97.30%	97.30%	97.50%	98.40%	0.090%	100.00%	30 days
104	Iteliance comm	0.00	70	7.10	0.0070	0.0070	0.0070	30.0070	97.5070	51.5070	31.0070	30.07070	0.03070	100.0070	30 uays

Service Providers not meeting the benchmarks NR=Data Not Reported

* The License of M/s Bharti Airtel Chennai has been merged with Tamilnadu Circle.

** The License of M/s Reliable Internet Service has been merged with Reliance Telecom Ltd. Kolkata

NR* IVR service not provided by Aircel Cellular Ltd., MTNL (Mumbai) & Reliance Telecom

NR** Shyam has reported in their report for B (i)a & b, (ii) b as NA as they do not have a system to measure the % of calls answered by operator (voice to voice) within 60 sec.

NA = Not Applicable,

Annex 5.3 Quality of Service Performance for ISPs

	Perfo	rmance of In	ternet Se	rvice Pro	viders on (Quality of S	Service Para	ameters	
	Name of the Service			1	Dial-up acc	ess			Mean time to
	Provider	Service Activation		Ser	vice Acces	sibility		GOS on the link	Restore of
Sr. No		time	Time to Access		lity of acce ISP node (%		ISP node unavaila	connectin g to PSTN	faults resulting as per
•			ALLESS	1st Attem pt	2nd Attempt	3rd Attemp t	bility in a month	node to ISP	subscriber complaint s
				80.00					
	BHARAT	6 hrs	30 Sec	%	90.00%	99.00%	30 Min	1 in 100	3 days
1	SANCHAR NIGAM LTD.	0-4 hrs	15-30 Sec	90.00%	95.00%	100.00%	Nil	0.01	4 hrs
2	MAHANAGAR TELEPHONE NIGAM LTD, Delhi	Online	30 Sec	99.72%	99.99 %		Nil	0.01	5 Min
-	MAHANAGAR TELEPHONE NIGAM LTD, Mumbai	Immediate	26 Sec	100.00%			Nil	0.005	15 Min
3	BHARTI AIRTEL LTD.	Online	30-35 Sec	99.80%	100.00%	100.00%	Nil	<0.01	5.44 hrs
4	RELIANCE COMM. INFRASTRUCTURE LTD	Online	<25 Sec	98.00%	100.00%		Nil	NA	<8 hrs
5	SIFY LTD.	3 Min	30 Sec	90.00%	95.00%	99.00 %	20 Min	0.005	4 hrs
6	Tata Communications Ltd.(VSNL)	2-4 hrs	30 Sec	>80.00%	>90.00%	> 99.00 %	DNF	Not provided by BSO	3 days
7	DATA INFOSYS LTD.	2-3 Min	20-25 Sec	95.00%	97.00%	99.00%	30 Min	0.01	15 Min
8	YOU TELECOM INDIA PVT. LTD.	2 Min	20 Sec	98.00%	99.00%	100.00%	Nil	Not provided by M/s BSNL	23 hrs
9	ASIANET SATELITE COMMUNICATIONS	Immediate	10 Sec	98.00%	99.00%	100.00%	<30 Min	0.002	15 hrs 30 min
10	HFCL INFOTEL LTD	NA	30 Sec	98.00%	99.00%	100.00%	NA	Not reported	10 hrs
11	HCL INFINET LTD.	3 Min	8-24 Sec	99.50%	99.40%	99.20 %	22 Min	0.01	17-19 hrs
12	SHYAM INTERNET SERVICES LTD.	5 Min	20 Sec	98.50%	99.50%	99.99 %	15 Min	1	3 hrs
13	TATA TELESERVICES (MH) / HUGHES TELECOM		25 Sec	99.00%	Nil	Nil		0.001	1 hrs
14	BROADBAND PACENET	DNF	DNF	97 %	98%	100%	NA	NA	2 hrs

* NA = Service Providers have not provided the data DNF= Data not provided by the service providers as per format

Annex 5.4

Quality of Service Performance for Broadband Service Providers

	Service Operators	Service Provisionin g	Faults	Repair	B	illing Pe	rforman	ce	the Cus	se Time to stomer for stance	Ban		ıtilisatio	on/throug	ghput	Packet Loss			tency (for and access)
S1. No.		%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		of deposits is made within 60 days of closures	%age of calls answer ed by operato r (Voice to voice) within 60 sec	%age of calls answered by operator (Voice to voice) within 90 sec	No. of Intra netw ork links havin g Band width utilis ation som durin g peak hour s (TCB H)	Upstre am links for Interna tional connec tivity having bandwi dth utilisat ion >90% during peak hours (TCBH)	% International bandwi dth utilizati on during peak hours (TCBH) (Enclos e MRTG) <90%	Broadba nd Connecti on Speed available (downloa d) from ISP node to user	e availa bility /upti me (for all users) in %age	Packet loss (for wired broadb and access) in %age	at POP/ ISP Gate way node to IGSP /NIX I	User referenc e point at ISP Gatewa y node to Internat ional nearest NAP port abroad (terrestr ial)	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	100.00%	96.50 %	99.80 %	NR	0.00%	95.15%	99.80%	84.70%	97.00 %	NR	NR	NR	97.00%	NR	NR	NR	NR	NR
1.2	Assam	100.00%	83.00%	97.80 %	17.00	0.66%	100.00 %	100.00%	84.00%	100.00%	NR	NR	NR	100.00%	NR	NR	NR	NR	NR
1.3	Bihar	98.00%	93.00%	98.00%	NR	0.22%	96.00%	100.00%	94.00 %	97.00%	NR	NR	NR	87.00%	NR	NR	NR	NR	NR
1.4	Chhattisgarh	97.00%	98.00%	100.00%	NR	0.00%	NA	NA	81.00 %	92.00%	NR	NR	NR	85.00%	NR	NR	NR	NR	NR
1.5	Chennai	100.00%	89.00%	100.00%	NR	0.02%	100.00 %	100.00%	99.00%	99.00%	NR	NR	NR	84.00%	NR	NR	NR	NR	NR
1.6	Gujrat	100.00%	90.00%	99.00%	58	0.07%	100.00 %	100.00%	80.00%	95.00%	NR	NR	NR	93.17 %	NR	NR	NR	NR	NR

1.7	Haryana	97.00%	97.00%	100.00%	1	0.25%	100.00 %	100.00%	93.00%	97.00%	NR	NR	NR	88.50%	NR	NR	NR	NR	NR
1.8	Himachal Pradesh	98.00%	97.00%	100.00%	0	0.02%	67.00%	100.00%	89.00%	97.00%	NR	NR	NR	86.00%	NR	NR	NR	NR	NR
1.9	Jammu & Kashmir	98.00%	95.00%	100.00%	0	0.11%	100.00 %	100.00%	72.00%	97.00%	NR	NR	NR	85.00%	NR	NR	NR	NR	NR
1.10	Jharkhand	99.00 %	92.00%	98.00%	0	0.09 %	99.68 %	100.00%	86.00 %	94.00 %	NR	NR	NR	83.00%	NR	NR	NR	NR	NR
1.11	Karnataka	64.00 %	89.00%	97.00%	324	0.22%	88.00%	100.00%	45.00 %	66.00%	NR	NR	NR	83.33	NR	NR	NR	NR	NR
1.12	Kerala	81.00%	96.00%	100.00%	0	0.35%	100.00 %	100.00%	86.00%	95.00%	NR	NR	NR	86.00 %	NR	NR	NR	NR	NR
1.13	Kolkata	94.00 %	85.00%	94.00%	0	1 .24 %	98.00%	1 00.00 %	81.00%	95.00 %	NR	NR	NR	84.00%	NR	NR	NR	NR	NR
1.14	Maharashtra	78.23%	84.00%	93.00%	47	0.30%	94.00%	97.00%	88.00%	96.00 %	NR	NR	NR	90.00%	NR	NR	NR	NR	NR
1.15	Madhya Pradesh	100.00%	91.00%	100.00%	1	0.33%	100.00 %	100.00%	78.00%	97.00 %	NR	NR	NR	84.00%	NR	NR	NR	NR	NR
1.16	North East I	98.24%	90.00%	100.00%	0	0.00%	NR	NR	84.00 %	100.00%	NR	NR	NR	87.00%	NR	NR	NR	NR	NR
1.17	North East II	90.00%	83.00%	99.00 %	0	0.00%	100.00 %	100.00%	69.00%	86.00%	NR	NR	NR	80.00%	NR	NR	NR	NR	NR
1.18	Orissa	90.00%	95.00%	99.00 %	4	0.16%	93.00%	83.00%	NR	NR	NR	NR	NR	84.00 %	NR	NR	NR	NR	NR
1.19	Punjab	100.00%	95.00%	1 00.00 %	0	0.03%	100.00 %	1 00.00 %	81.00%	90.00%	NR	NR	NR	85.00%	NR	NR	NR	NR	NR
1.20	Rajasthan	1 00.00 %	78.00%	95.00%	0	0.02%	92.00%	100.00%	88.00%	94.00 %	NR	NR	NR	80.00%	NR	NR	NR	NR	NR
1.21	Tamil Nadu	85.00 %	93.00%	100.00%	0	0.18%	98.00 %	100.00%	88.00 %	90.00%	NR	NR	NR	86.36%	NR	NR	NR	NR	NR
1.22	UP- East	100.00%	98.80 %	100.00%	0	0.06%	100.00 %	100.00%	100.00 %	NR	NR	NR	NR	100.00%	NR	NR	NR	NR	NR
1.23	UP-West	95.00%	90.00%	100.00%	0	0.04 %	100.00 %	100.00%	80.00%	95.00 %	NR	NR	NR	98.33%	NR	NR	NR	NR	NR
1.24	Uttaranchal	77.00%	95.00%	100.00%	6	0.00%	100.00 %	100.00%	85.00%	92.00 %	NR	NR	NR	90.00%	NR	NR	NR	NR	NR
1.25	West Bengal	76.00%	74.00%	1 00.00 %	0	0.00%	NR	NR	70.00 %	100.00%	NR	NR	NR	85.00 %	NR	NR	NR	NR	NR
1.26	A&N	97.00%	97.00%	100.00%	0	0.00%	100.00 %	NR	90.00%	1 00.00 %	NR	NR	NR	83.00%	NR	NR	NR	NR	NR
2	MTNL																		
2.1	Delhi	73.94 %	81.10%	95.77%	1596	0.08%	100.00 %	98.84%	98.05%	98.27 %	0	DNF	87.40%	95.00 %	99.90 %	DNF	DNF	DNF	NA
2.2	Mumbai	47.80%	79.09 %	94.58 %	0	0.024%	100.00 %	NA	68.80%	72.98 %	0	4	84.36%	80.00%	98.00 %	1.00 %	70	300	NA
3	Bharti Airtel Ltd.																		
3.1	Andhra Pradesh	99.04 %	70.5 1%	89.52%	NA	NA	NA	NA	84.00%	87.00 %	4	0	71.00 %	95.00 %	100.0 0%	0.00%	31	244	NA

3.2	Delhi	100.00%	97.00%	99.00 %	3151	0.02%	100.00 %	93.00%	84.53%	89.95%	5	1	85.00%	100.00%	100.0 0%	0.00%	20.4	61	NA
3.3	Gujarat	100.00%	96.70%	99.70%	7	0.04%	100.00 %	100.00%	92.00%	95.00%	0	0	76.29 %	100.00%	99.97 %	0.00%	111	323	NA
3.4	Haryana	1 00.00 %	99.00%	99.00%	11	0.01%	100.00 %	100.00%	85.71%	91.19 %	0	0	70.00%	100.00%	100.0 0%	NR	40	81	NA
3.5	Karnataka	98.00%	75.19 %	87.73%	NA	NA	NA	NA	67.00 %	76.00%	4	0	80.05%	0.94 %	100.0 0%	0.00%	36	266	NA
3.6	Kerala	100.00%	93.99 %	99.09%	NA	NA	NA	NA	93.00%	96.00%	0	NA	NA	94.00 %	100.0 0%	0.00%	54	293.5	NA
3.7	Kolkata	100.00%	98.60 %	99.50%	45	0.00%	100.00 %	100.00%	85.71%	91.1 9 %	0	0	65.92%	100.00%	99.99 %	NR	78.0 0	133.00	NA
3.8	Madhya Pradesh & CG	98.90 %	93.40%	98.30%	869	0.07%	100.00 %	100.00%	95.10%	100.00%	0	1	90.00%	99.00%	99.96 %	0.00%	39	297	NA
3.9	Maharashtra	98.00%	92.20%	98.70%	21	0.00%	100.00 %	100.00%	92.30%	94.80%	0	0	84.57%	100.00%	99.85 %	0.00%	91	317	NA
3.10	Mumbai	96.40 %	95.60%	99.00%	54	0.01%	100.00 %	100.00%	92.10%	94.70 %	0	0	85.25%	100.00%	99.93 %	0.00%	78	301.0	NA
3.11	Punjab	100.00%	99.00%	100.00%	50	0.03%	100.00 %	100.00%	85.71%	91.19 %	0	0	83.00%	100.00%	99.70 %	0.00%	28	65	NA
3.12	Rajasthan	100.00%	98.70%	100.00%	37	0.01%	100.00 %	100.00%	85.71%	91.19 %	0	0	64.00%	100.00%	100.0 0%	0.00%	49	110	NA
3.13	Tamilnadu	94.90 %	94.30%	96.68%	NA	NA	NA	NA	84.00%	92.00 %	1	0	80.00%	89.00%	100.0 0%	0.00%	36.6	239	NA
3.14	UP - East	100.00%	96.00%	99.00%	559	0.01%	100.00 %	100.00%	85.71%	91.19 %	0	1	60.00%	100.00%	100.0 0%	0.00%	47	84	NA
3.15	UP - West	100.00%	98.60 %	99.50%	33	0.00%	100.00 %	100.00%	85.71%	91.19 %	0	0	79.00%	100.00%	99.96 %	0.00%	28	78	NA
4	Tata Communicat ions																		
4.1	Central Region	99.00 %	87.00%	94.00%	46014	1. 59 %	100.00 %	100.00%	93.86%	97.75%	0	0	70.05%	80.00%	99.62 %	0.00%	80	180	NA
4.2	East	100.00%	91.00%	97.00%		1.11%	100.00 %	100.00%	93.86%	97.75%	0	0	70.05%	80.00%	98.33 %	0.00%	80	180	NA
4.3	North	100.00%	86.00%	94.00%		2.09 %	100.00 %	100.00%	93.86%	97.75%	0	0	70.05%	80.00%	97.95 %	0.00%	80	180	NA
4.4	South 1	99.00 %	89.00%	97.00%		1 .42 %	100.00 %	100.00%	93.86%	97.75%	0	0	70.05%	80.00%	99.36 %	0.00%	80	180	NA
4.5	South 2	100.00%	97.00%	99.00%		0.98%	100.00 %	100.00%	93.86%	97.75%	0	0	70.05%	80.00%	99.54 %	0.00%	80	180	NA
4.6	South 3	88.00%	82.00%	93.00%		2.04%	100.00 %	100.00%	93.86%	97.75%	0	0	70.05%	80.00%	98.79 %	0.00%	80	180	NA
4.7	South 4	1 00.00 %	98.00%	100.00%		0.79 %	100.00 %	100.00%	93.86%	97.75%	0	0	70.05%	80.00%	99.68 %	0.00%	80	180	NA

4.8	West 1	100.00%	87.00%	95.00%	ĺ	2.78%	100.00 %	100.00%	93.86%	97.75%	о	о	70.05%	80.00%	96.83 %	0.00%	80	180	NA
4.9	West 2	100.00%	92.00%	98.00%		1.72%	100.00 %	100.00%	93.86%	97.75%	0	0	70.05%	80.00%	99.08 %	0.00%	80	180	NA
5	Hathway																		
5.1	Andhra Pradesh	100.00%	95.78%	99.28%	42	1. 84 %	100.00 %	100.00%	85.00%	90.00%	0	1	87.50%	85.00%	98.00 %	1.00%	80	350	NA
5.2	Chennai	100.00%	91.57%	98.13%	87	1. 91 %	100.00 %	100.00%	85.00%	90.00%	0	1	87.50%	85.00%	99.29 %	1. 00 %	80	350	NA
5.3	Delhi	100.00%	90.00%	99.00 %	68	1 .93 %	100.00 %	1 00.00 %	85.00%	90.00 %	0	1	87.50%	85.00%	100.0 0%	1.00 %	100	320	NA
5.4	Gujarat	94.94 %	89.33%	97.33%	0	0.00%	0.00%	0.00%	70.00 %	85.00%	0	NA	NA	85.00%	98.95 %	1.00 %	100	350	NA
5.5	Haryana	100.00%	90.00%	99.00 %	0	0.00%	0.00%	100.00%	85.00%	90.00%	0	NA	NA	85.00%	99.61 %	1.00 %	100	320	NA
5.6	Karnataka	100.00%	91.43%	99.28 %	137	0.63%	100.00 %	100.00%	98.00 %	99.00 %	0	1.00%	87.50%	85.00%	98.00 %	1.00 %	80	350	NA
5.7	Maharashtra	92.00%	88.33%	96.67%	848	1 .64 %	99.17 %	100.00%	70.00 %	85.00%	0	1.00%	87.50%	85.00%	100.0 0%	1. 00 %	80	350	NA
5.8	Punjab	100.00%	90.00%	99.00%	0	1.1 0 %	100.00 %	100.00%	85.00 %	90.00%	0	NA	85.00%	NR	99.97 %	1. 00 %	100	320	NA
5.9	Tamilnadu	100.00%	97.60 %	98.87%	4	0.59 %	100.00 %	100.00%	85.00%	90.00%	0	NA	NA	85.00%	99.67 %	1.00 %	100	320	NA
5.10	Uttar Pradesh	100.00%	90.00%	99.00%	0	1 .64 %	100.00 %	100.00%	85.00%	90.00%	0	NA	NA	85.00%	99.27 %	1. 00 %	100	320	NA
6	YOU Telecom India Pvt. Ltd.																		
	All India	100.00%	97.68 %	99.54%	63	0.32%	100.00 %	91.38%	87.00%	90.00%	NR	NR	78.10%	90.00%	98.46 %	1.00%	40	300	NA
6.1	Andhra Pradesh	100.00%	99.72 %	99.90 %	2	0.21%	100.00 %	79.36%	88.00%	90.00%	NR	NR	75.00%	90.00%	98.10 %	1.00%	40	300	NA
6.2	Gujarat	100.00%	95.13%	99.00 %	53	0.25%	100.00 %	99.45 %	89.00%	91.00 %	NR	NR	78.65%	90.00%	98.40 %	1. 00 %	40	300	NA
6.3	Haryana	100.00%	100.00 %	100.00%	0	0.35%	100.00 %	93.75%	88.00%	90.00%	NR	NR	72.72%	90.00%	99.60 %	1. 00 %	40	300	NA
6.4	Karnataka	100.00%	99.8 1%	100.00%	0	0.21%	100.00 %	98.85%	92.00%	92.00%	NR	NR	78.57%	90.00%	98.30 %	1.00%	40	300	NA
6.5	Maharashtra	100.00%	98.66 %	99.82%	8	0.44%	100.00 %	99.12 %	86.00%	90.00%	NR	NR	79.00 %	90.00%	98.60 %	1.00%	40	300	NA
6.6	Tamilnadu	100.00%	100.00 %	100.00%	0	0.37%	100.00 %	85.71%	89.00%	91.00 %	NR	NR	77.77%	90.00%	98.50 %	1.00%	40	300	NA
7	SIFY																		
	All India	100.00%	91.00 %	98.00%	150	0.00%	0.00%	0.00%	100.00	100.00%	2.00	Nil	85.00 %	95.00%	100.0	1.00 %	45	300	NA

									%						0%				
8	Reliance																		
	All India	58.00 %	96.00%	99.00%	87	0.29%	100.00 %	100.00%	87.33%	91.30 %	0	0	53.00%	90.00%	99.50 %	0.50%	DNF	DNF	DNF
9	Asianet																		
	Kerala	100.00 %	90.90%	99.23%	NR	1.00%	100.00 %	100.00%	NR	NR	nil	0	88.00%	90.00%	99.00 %	1.00%	50	280	600
10	HFCL Infotel Lt.d																		
	Punjab	100.00%	99.50 %	100.00%	1	0.38%	97.00 %	1 00.00 %	88.00%	93.00%	Nil	Nil	87.14%	1 00.00 %	99.95 %	0.00%	35	270	NA
11	Ortel																		
	Orissa	100.00 %	90.30%	1 00.00 %	0	0.16 %	100.00 %	1 00.00 %	97.50%	98.00%	0	0	64.75%	DNF	99.80 %	1.00%	38	150	NA
12	Tata Teleservices (Maharashtr a) Ltd.																		
	Maharashtra & Goa	99.79 %	92.31%	100.00%	NA	0.37%	100.00 %	100.00%	65.21%	84.94%	0	0	90.00%	97.00%	99.00 %	0.75%	30	200	NA
13	Alliance Broadband Services Pvt. Ltd.																		
	Kolkatta	100.00%	98.58%	100.00%	4	0.03%	100.00 %	NA	77.33%	93.33%	7	2	93.00%	DNF	99.00 %	1.00%	NA	NA	NA
	Service Providers not meeting the Benchmark	DNF= Data not as per Format				NR= Data not reported by the Service Provider							NA = Not Applicable						