



Telecom Regulatory Authority of India

The Indian Telecom Services Performance Indicators July - September, 2014

New Delhi, India
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Snapshot

(Data As on 30th September, 2014)

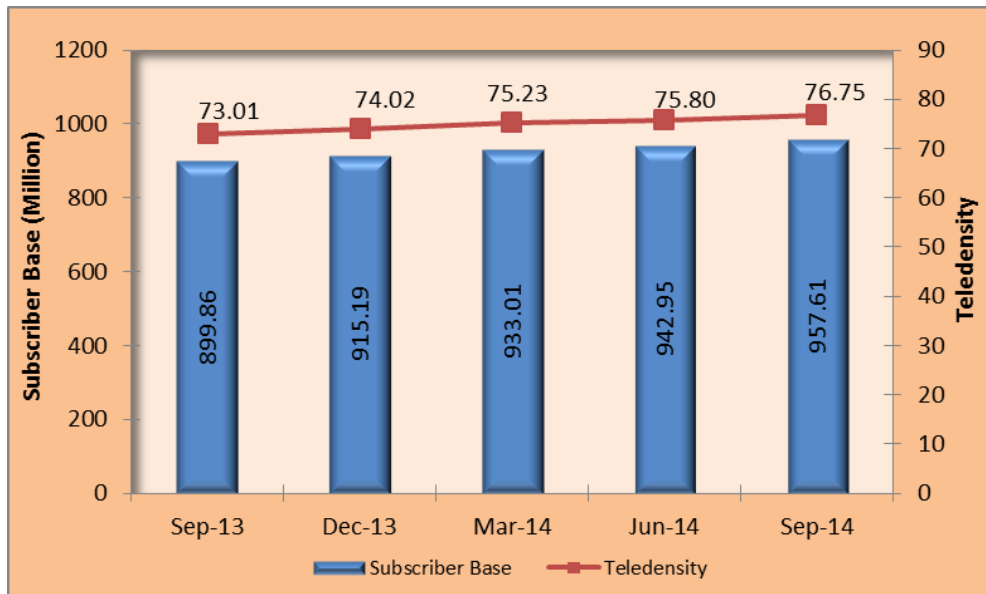
Telecom Subscribers (Wireless + Wireline)	
Total Subscribers	957.61 Million
% change over the previous quarter	1.55%
Urban Subscribers	569.56 Million
Rural Subscribers	388.05 Million
Market share of Private Operators	88.41%
Market share of PSU Operators	11.59%
Teledensity	76.75
Urban Teledensity	148.07
Rural Teledensity	44.96
Wireless Subscribers	
Total Wireless Subscribers	930.20 Million
% change over the previous quarter	1.67%
Urban Subscribers	547.70 Million
Rural Subscribers	382.50 Million
GSM Subscribers	876.15 Million
CDMA Subscribers	54.05 Million
Market share of Private Operators	90.31%
Market share of PSU Operators	9.69%
Tele-density	74.55
Urban Tele-density	142.39
Rural Tele-density	44.32
Wireline Subscribers	
Total Wireline Subscribers	27.41 Million
% change over the previous quarter	-2.21%
Urban Subscribers	21.85 Million
Rural Subscribers	5.55 Million
Market share of Private Operators	23.74%
Market share of PSU Operators	76.26%
Tele-density	2.20
Urban Tele-density	5.68
Rural Tele-density	0.64
No. of Village Public Telephones (VPT)	5,87,269
No. of Public Call Office (PCO)	8,53,730

Internet/Broadband Subscribers	
Total Internet Subscribers	254.40 Million
Narrowband subscribers	178.67 Million
Broadband subscribers	75.73 Million
Wired Internet Subscribers	18.70 Million
Wireless Internet Subscribers	235.70 Million
Total Internet Subscribers per 100 population	20.39
Broadcasting & Cable Services	
No. of private satellite TV channels registered with Ministry of I&B	813
Number of private FM Radio Stations	243
Registered DTH Subscribers	70.33 Million
Active DTH Subscribers	39.13 Million
Telecom Financial Data (QE Sep-14)	
Gross Revenue(GR) during the quarter	₹ 62447 Crore
% change in GR over the previous quarter	-0.75%
Adjusted Gross Revenue (AGR) during the quarter	₹ 43229 Crore
% change in AGR over the previous quarter	-1.42%
Share of Public sector undertaking's in Access AGR	11.49%
Monthly Average Revenue Per User (ARPU) for Access Services	₹ 118
Revenue & Usage Parameters (QE Sep-14)	
Monthly ARPU GSM Full Mobility Service	₹ 116
Monthly ARPU CDMA Full Mobility Service	₹ 110
Minutes of Usage (MOU) per subscriber per month GSM Full Mobility Service	376 Minutes
Minutes of Usage (MOU) per subscriber per month CDMA Full Mobility Service	267 Minutes
Total Outgoing Minutes of Usage for Internet Telephony	302 Million
Data Usage of Mobile Users (for the QE Sep-14)	
Data Usage per subscriber per month - GSM	68.07 MB
Data Usage per subscriber per month - CDMA	221.26 MB
Data Usage per subscriber per month – Total(GSM+CDMA)	76.97 MB

Executive Summary

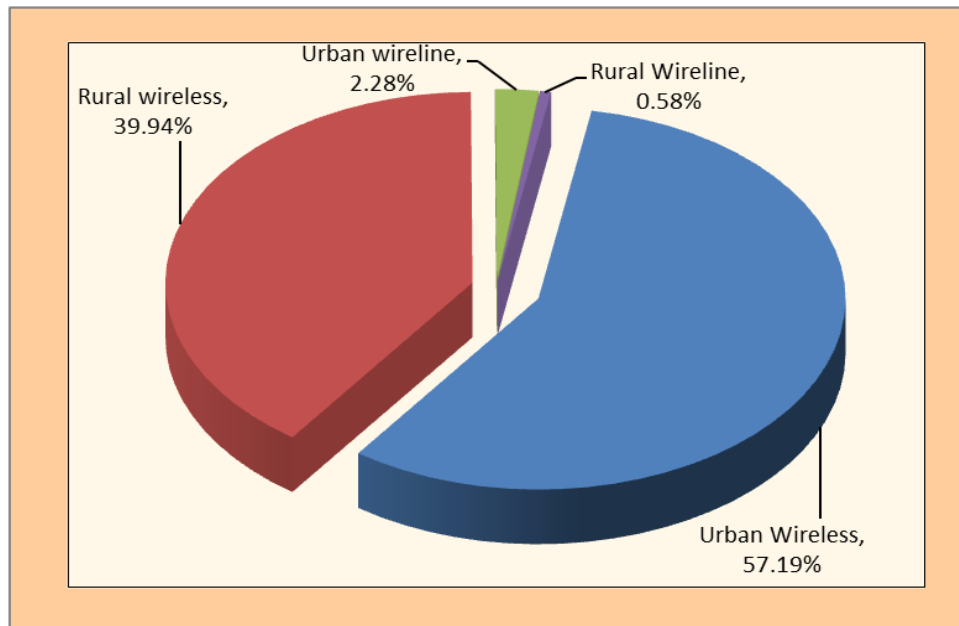
1. The number of telephone subscribers in India increased from 942.95 million at the end of Jun-14 to 957.61 million at the end of Sep-14, registering a growth of 1.55% over the previous quarter. This reflects year-on-year (Y-O-Y) growth of 6.42% over the same quarter of last year. The overall Tele-density in India increased from 75.80 as on 30th June, 2014 to 76.75 as on 30th September, 2014.

Trends in Telephone subscribers and Teledensity in India



2. Subscription in Urban Areas increased from 559.77 million at the end of Jun-14 to 569.56 million at the end of Sep-14, and Urban Tele-density also increased from 146.24 to 148.07. Rural subscription increased from 383.18 million to 388.05 million, and Rural Tele-density also increased from 44.50 to 44.96.
3. Share of subscription in Rural areas out of total subscription decreased from 40.64% at the end of Jun-14 to 40.52% at the end of Sep-14.

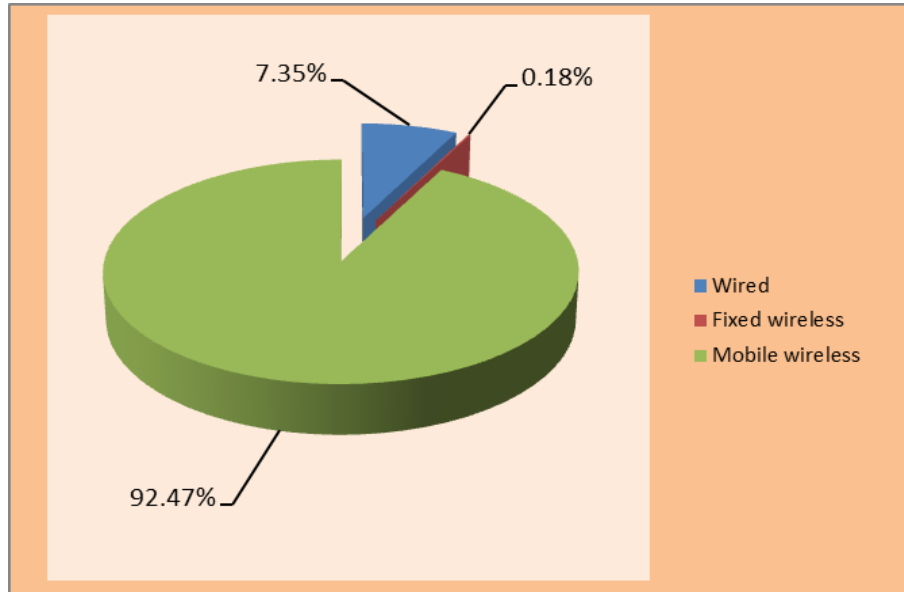
Composition of Telephone Subscribers



4. With a net addition of 15.28 million subscribers during the quarter, total wireless(GSM+CDMA) subscriber base increased from 914.92 million at the end of Jun-14 to 930.20 million at the end of Sep-14, registering a growth rate of 1.67% over the previous quarter. The year-on-year (Y-O-Y) growth rate of Wireless subscribers for Sep-14 is 6.85%.
5. Wireless Tele-density increased from 73.55 at the end of Jun-14 to 74.55 at the end of Sep-14.
6. Wireline subscriber base further declined from 28.03 million at the end of Jun-14 to 27.41 million at the end of Sep-14, registering a decline of 2.21%. The year-on-year (Y-O-Y) decline rate of Wireline subscribers for Sep-14 is 6.41%.
7. Wireline Tele-density declined from 2.25 at the end of Jun-14 to 2.20 at the end of Sep-14.

8. Total number of Internet subscribers has declined from 259.14 million at the end of Jun-14 to 254.40 million at the end of Sep-14, there has been a quarterly decline of 1.83%. Out of which Wired Internet subscribers are 18.70 million and Wireless Internet subscribers are 235.70 million.

Composition of internet subscription

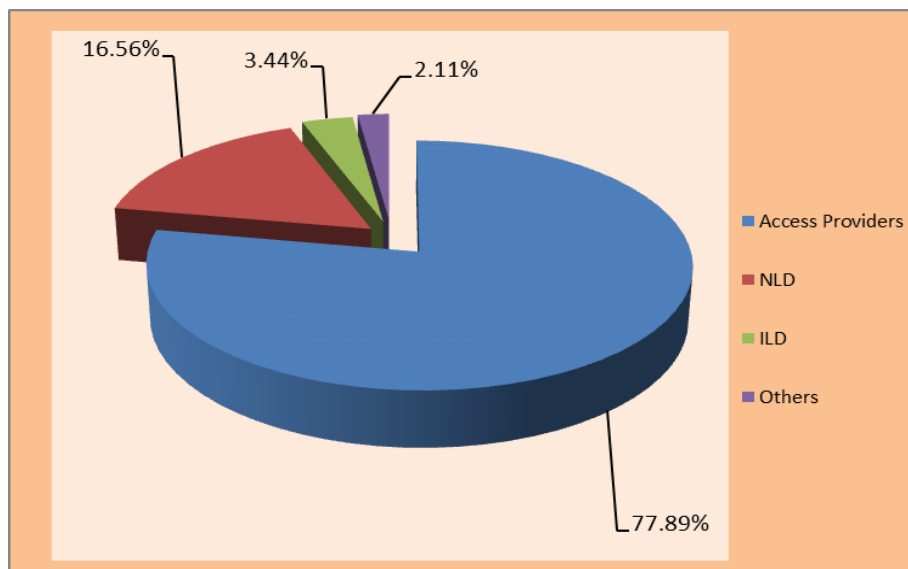


9. Number of Broadband Internet subscribers increased from 68.83 million at the end of Jun-14 to 75.73 million at the end of Sep-14 with quarter growth of 10.03%.
10. The number of Narrowband Internet subscribers has declined from 190.31 million at the end of Jun-14 to 178.67 million at the end of Sep-14 with quarterly decline of 6.12%.
11. Monthly Average Revenue Per User (ARPU) for GSM service decreased by 2.71%, from ₹119 in QE Jun-14 to ₹116 in QE Sep-14, whereas Y-O-Y increase of 6.08%.

12. Prepaid ARPU for GSM service per month decreased from ₹104 in QE Jun-14 to ₹101 in QE Sep-14, and Postpaid ARPU per month decreased from ₹469 in QE Jun-14 to ₹459 in QE Sep-14.
13. On an all India average, the overall MOU per subscriber per month for GSM service decreased from 390 in QE Jun-14 to 376 in QE Sep-14.
14. Prepaid MOU per subscriber for GSM service decreased from 366 in QE Jun-14 to 351 in QE Sep-14 and postpaid MOUs also decreased from 961 in QE Jun-14 to 954 in QE Sep-14.
15. Monthly ARPU for CDMA full mobility service decreased by 1.13%, from ₹112 in QE Jun-14 to ₹110 in QE Sep-14. ARPU for CDMA has increased by 12.25% on Y-O-Y basis in this quarter.
16. The total MOU for CDMA per subscriber per month decreased by 5.59%, from 283 in QE Jun-14 to 267 QE Sep-14. The outgoing MOUs decreased from 147 in QE Jun-14 to 141 in QE Sep-14 and incoming MOUs also decreased from 136 in QE Jun-14 to 126 in QE Sep-14.
17. Gross Revenue (GR) and Adjusted Gross Revenue (AGR) of Telecom Service Sector for the QE Sep-14 has been ₹62447 Crore and ₹43229 Crore respectively. GR and AGR decreased by 0.75% and 1.42% respectively in this quarter as compared to previous quarter.
18. The year-on-year (Y-O-Y) growth in GR and AGR over the same quarter in last year has been 8.69% and 11.39% respectively.

19. Pass-through charges accounted 30.77% of the GR for the quarter ending Sep-14. The quarterly and the year-on-year (Y-O-Y) growth rates of pass-through charges for QE Sep-14 are 0.79% and 3.24% respectively.
20. The License Fee decreased from 3503 Crore for the QE Jun-14 to 3459 Crore for the QE Sep-14. The quarterly and the year-on-year (Y-O-Y) growth rates of license fee are -1.26% and 11.41% respectively in this quarter.
21. Access services contributed 77.89% of the total Adjusted Gross Revenue of telecom services. In Access services, Gross Revenue (GR), Adjusted Gross Revenue (AGR), License Fee and Spectrum Usage Charges decreased by 1.48%, 2.17%, 2.10% and 2.09% respectively, whereas Pass Through Charges increased by 0.35% in QE Sep-14.
22. Monthly Average Revenue per User (ARPU) for Access Services based on AGR decreased from ₹122.39 in QE Jun-14 to ₹118.20 in QE Sep-14.

Composition of Adjusted Gross Revenue



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

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

24. The performance of 3G wireless service providers in terms of QoS during the quarter vis-à-vis that in previous quarter is depicted as under:

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

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

Parameters showing Improvement in QoS	Parameters showing deterioration in QoS
<ul style="list-style-type: none"> • Accessibility of call centre/ customer care 	<ul style="list-style-type: none"> • % Fault repaired by next working day • Mean Time to Repair (MTTR) • Resolution of billing/charging/credit & validity complaints • % of calls answered by the operator (voice to voice) within 90 sec. • Metering & Billing Credibility – Postpaid

26. There are a total of 187 Pay channels as reported by broadcasters for which the wholesale channels rates have been taken on record. During the quarter ending Sep-14, the rate of “Raj Musix Kannada” Channel was taken on records.

27. In Non CAS areas, maximum number of TV channels being carried by any reporting MSO is 400, whereas in conventional analogue form, the maximum number of channels being carried by any reporting MSO is 100.

28. Apart from All India Radio, Prasar Bharti – a public broadcaster, there are 243 private FM Radio stations in operation at the quarter ending Sep-14, as per the information received from MIB.

29. At present, apart from free DTH service of Doordarshan of Prasar Bharati – a public broadcaster, there are 6 private DTH Operators. All the 6 private DTH Operators are offering pay DTH services. Total numbers of registered and active subscribers being served by these six private DTH operators, as reported to TRAI, are 70.33 million & 39.13 million respectively, as on 30th September, 2014.

Trends at a Glance

A. Access Service (Wireline + Wireless)

	QE Sep 2013	QE Dec 2013	QE Mar 2014	QE Jun 2014	QE Sep 2014	%age change over Sep- 2013 (12 months)	%age change over Dec- 2013 (9 months)	%age change over Mar- 2014 (6 months)	%age change over Jun- 2014 (3 months)
	1) Subscriber Base (in million)								
Wireline	29.28	28.89	28.50	28.03	27.41	-6.41%	-5.15%	-3.84%	-2.21%
Wireless	870.58	886.30	904.51	914.92	930.20	6.85%	4.95%	2.84%	1.67%
Total	899.86	915.19	933.01	942.95	957.61	6.42%	4.63%	2.64%	1.55%
Rural	356.68	365.79	377.73	383.18	388.05	8.79%	6.09%	2.73%	1.27%
Urban	543.18	549.40	555.28	559.77	569.56	4.86%	3.67%	2.57%	1.75%
2) Teledensity									
Wireline	2.38	2.34	2.30	2.25	2.20	-7.55%	-6.02%	-4.37%	-2.51%
Wireless	70.63	71.69	72.94	73.55	74.55	5.55%	4.00%	2.22%	1.36%
Total	73.01	74.02	75.23	75.80	76.75	5.12%	3.68%	2.02%	1.25%
Rural	41.70	42.67	43.96	44.50	44.96	7.82%	5.38%	2.28%	1.05%
Urban	144.02	144.95	145.78	146.24	148.07	2.82%	2.16%	1.58%	1.25%
3) Service Provider wise Subscribers Base (in Million)									
Bharti	196.73	201.76	208.75	212.60	214.92	9.25%	6.52%	2.96%	1.09%
Vodafone	155.59	160.46	166.62	169.96	173.92	11.78%	8.39%	4.38%	2.33%
Idea	127.23	128.69	135.79	139.01	143.56	12.84%	11.56%	5.72%	3.27%
Reliance	117.50	118.48	112.13	110.06	111.32	-5.27%	-6.05%	-0.73%	1.14%
BSNL	117.23	115.23	113.14	107.50	104.09	-11.21%	-9.67%	-8.00%	-3.17%
Aircel	63.25	66.91	70.15	73.07	75.85	19.93%	13.36%	8.12%	3.80%
Tata	65.04	64.78	64.55	64.44	65.84	1.23%	1.64%	2.00%	2.17%
Telewings	32.36	32.78	35.61	39.31	41.82	29.24%	27.56%	17.44%	6.36%
Sistema	9.61	9.86	9.09	9.21	9.19	-4.42%	-6.86%	1.03%	-0.25%
MTNL	7.28	7.13	6.91	6.90	6.93	-4.89%	-2.86%	0.19%	0.47%
Videocon	3.24	3.97	4.99	5.55	5.94	83.13%	49.69%	19.14%	7.06%
Quadrant	1.93	2.16	2.39	2.50	2.66	37.85%	22.82%	11.18%	6.44%
Loop	2.89	2.98	2.90	2.84	1.58	-45.16%	-46.87%	-45.34%	-44.23%
Total	899.86	915.19	933.01	942.95	957.61	6.42%	4.63%	2.64%	1.55%

B. Internet Services

	QE Sep 2013	QE Dec 2013	QE Mar 2014	QE Jun 2014	QE Sep 2014	%age change over Sep-2013 (12 months)	%age change over Dec-2013 (9 months)	%age change over Mar-2014 (6 months)	%age change over Jun-2014 (3 months)
	1) Subscriber's Base (in million)								
A. Wired Internet Subscribers		18.33	18.50	18.55	18.70		2.00%	1.08%	0.81%
B. Wireless Internet Subscribers		220.38	233.09	240.60	235.70		6.95%	1.12%	-2.03%
i. Mobile Wireless (Mobile & Dongle)		219.92	232.66	240.14	235.24		6.97%	1.11%	-2.04%
ii. Fixed Wireless (Wi-Fi, Wi-Max, Point-to-Point Radio & VSAT)		0.46	0.44	0.46	0.46		-0.28%	4.62%	-0.60%
Total Internet Subscribers	210.38	238.71	251.59	259.14	254.40	20.92%	6.57%	1.12%	-1.83%
2) No. of Internet Subs per 100 Population	17.07	19.31	20.29	20.83	20.39	19.45%	5.60%	0.50%	-2.13%

C. Usage and Revenue for Full Mobility Services

1. Traffic (MOU) (minutes of use/subscriber/month)									
i) GSM	375	379	389	390	376	0.25%	-0.84%	-3.21%	-3.61%
ii) CDMA	262	272	272	283	267	1.81%	-1.66%	-1.66%	-5.59%
2) ARPU (Rs./sub/ month)									
i) GSM	109.08	111.94	113.44	118.94	115.72	6.08%	3.37%	2.00%	-2.71%
ii) CDMA	98.22	103.60	104.98	111.51	110.25	12.25%	6.41%	5.02%	-1.13%

D. Telecom Financial Data

	QE Sep 2013	QE Dec 2013	QE Mar 2014	QE Jun 2014	QE Sep 2014	%age change over Sep-2013 (12 months)	%age change over Dec-2013 (9 months)	%age change over Mar-2014 (6 months)	%age change over Jun-2014 (3 months)
	1. Telecom Sector								
i) Gross Revenue (Rs. in Crores)	57452.56	58385.39	60716.21	62919.19	62446.66	8.69%	6.96%	2.85%	-0.75%
ii) Adjusted Gross Revenue (Rs. in Crores)	38810.56	39574.99	41016.13	43851.85	43229.38	11.39%	9.23%	5.40%	-1.42%
2. Access Services									
Adjusted Gross Revenue (Rs. in Crores)	30353.17	31406.54	31922.39	34416.53	33669.47	10.93%	7.21%	5.47%	-2.17%
ARPU per month (AGR/ Average subscribers/3)	111.85	115.70	115.28	122.39	118.20	5.68%	2.16%	2.54%	-3.42%

Introduction

This Report presents the Key Parameters and growth trends for the Telecom Services in India for the quarter ending September, 2014. It provides a broad perspective on the Telecom Services to serve as a reference document for various stakeholders, research agencies and analysts. Chapter-1 depicts the growth pattern, in terms of Subscriber base and Tele-density of Wireline, Wireless, Internet and Value Added Services(VAS). Chapter-2 covers the key revenue and usage parameters. Chapter-3 gives the financial and accounting data. Chapter-4 covers performance of various service providers in terms of QoS. The information relating to Cable TV, DTH & Radio Broadcast services is provided in Chapter-5.

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

Chapter 1 :

Subscription Data

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- In this report, Tele-density is based on the population projections from census data published by the Office of Registrar General & Census Commissioner of India.

Section A : Access Service - An Overview

- 1.1 The number of telephone subscribers in India increased from 942.95 million at the end of Jun-14 to 957.61 million at the end of Sep-14, registering a growth of 1.55% over the previous quarter. This reflects year-on-year (Y-O-Y) growth of 6.42% over the same quarter of last year. The overall Tele-density in India increased to 76.75 at the end of Sep-14 from 75.80 at the end of the previous quarter.

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

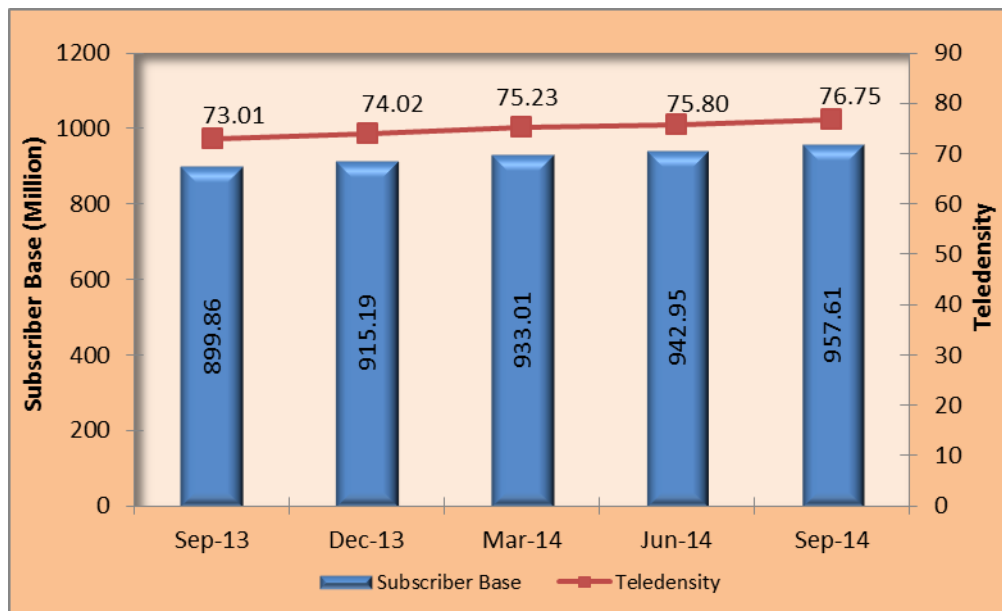
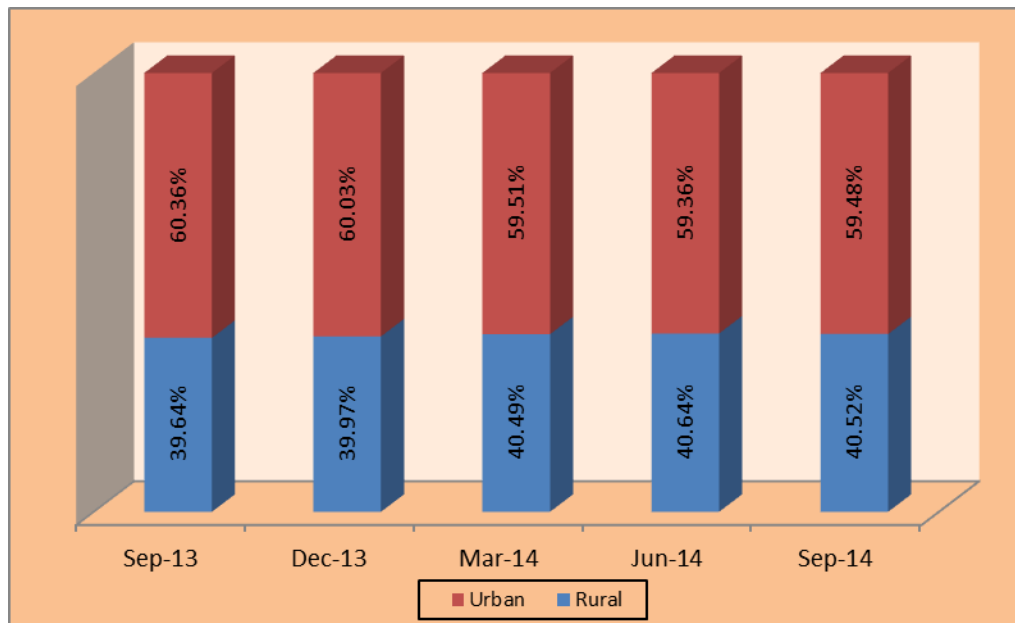


Table 1.1: Subscriber Base & Tele-density - Rural & Urban

Quarter ending	Subscriber Base (million)		Tele-density	
	Rural	Urban	Rural	Urban
Sep-13	356.68	543.18	41.70	144.02
Dec-13	365.79	549.40	42.67	144.95
Mar-14	377.73	555.28	43.96	145.78
Jun-14	383.18	559.77	44.50	146.24
Sep-14	388.05	569.56	44.96	148.07

- 1.2 Subscription in Urban Areas increased from 559.77 million at the end of Jun-14 to 569.56 million at the end of Sep-14 and the Urban Tele-density also increased from 146.24 to 148.07 during the quarter.
- 1.3 Rural subscription increased from 383.18 million to 388.05 million and the Rural Tele-density also increased from 44.50 to 44.96 during the quarter.
- 1.4 The year-on-year (Y-O-Y) growth rate of Rural and Urban Tele-density from Sep-13 to Sep-14 is 7.82% and 2.82% respectively.

Chart 1.2: Market Share - Rural & Urban



- 1.5 Share of rural areas in total subscription has decreased from 40.64% at the end of Jun-14 to 40.52% at the end of Sep-14. The year-on-year (Y-O-Y) growth of the market share in the rural areas for Sep-14 is 2.23%.

Chart 1.3: Composition of Access subscription - Wireline & Wireless

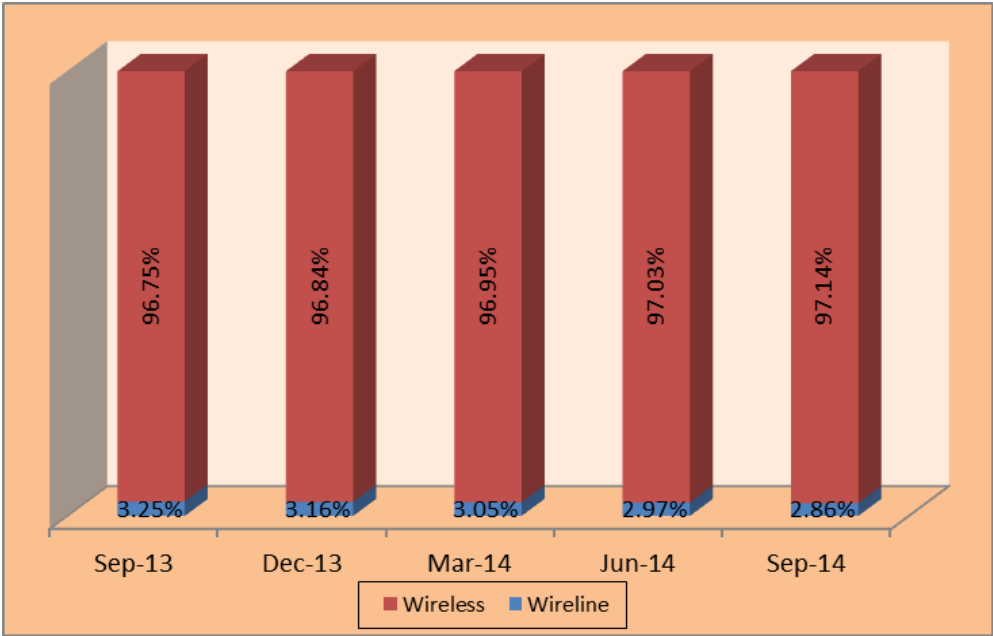


Chart 1.4: Composition of Telephone Subscribers at the end of the quarter

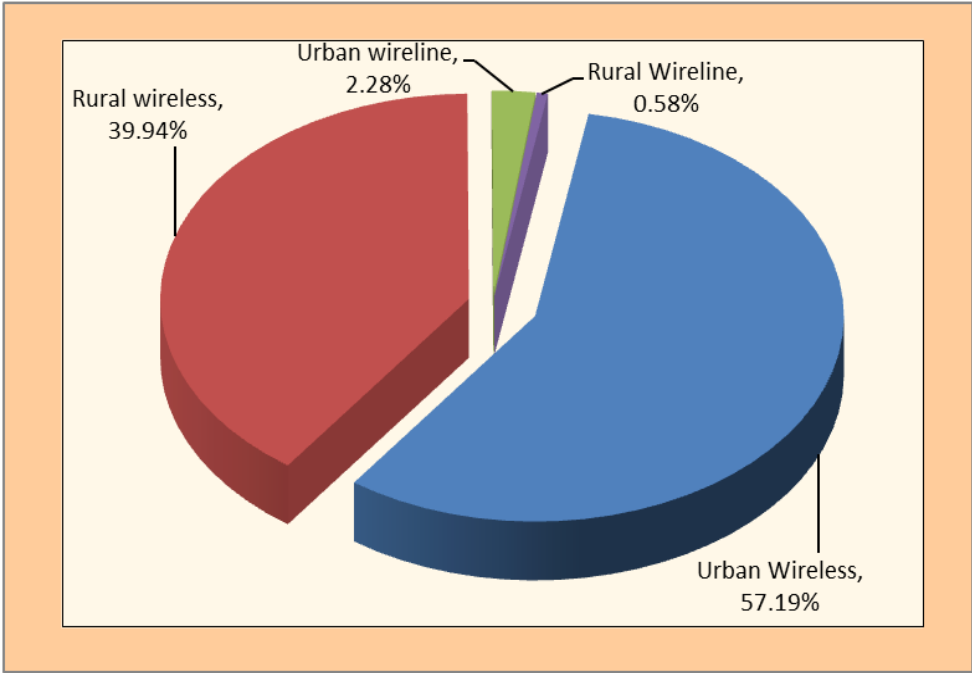


Table 1.2: Service Area wise Access (Wireless+Wireline) Subscriber base

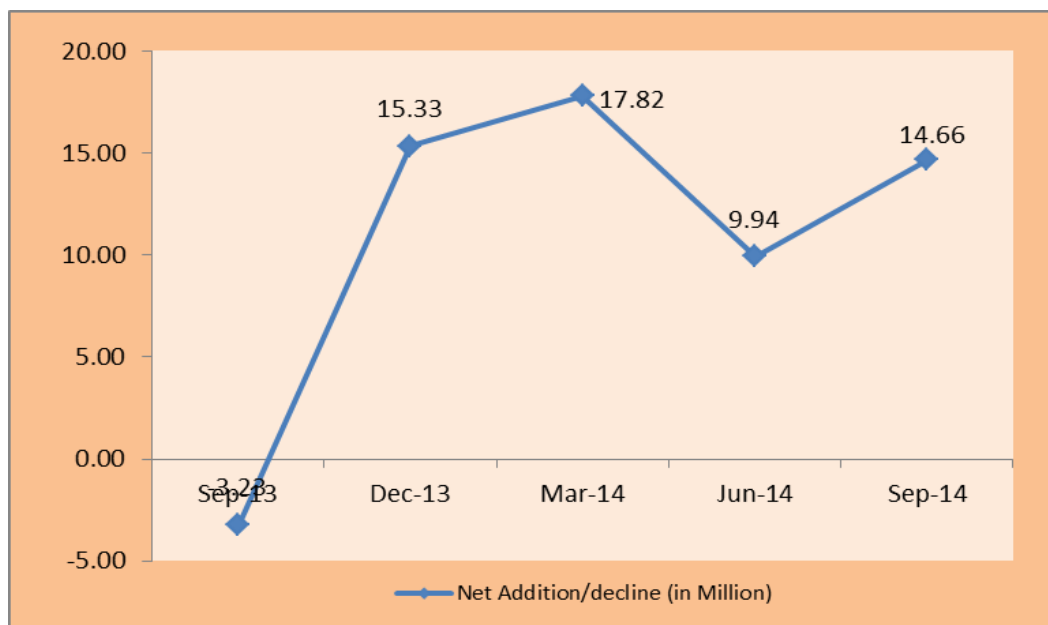
Service Area	Subscribers (million)			
	Jun-14	Sep-14	Net Additions	Rate of Growth(%)
Andhra Pradesh	69.29	70.82	1.53	2.21
Assam	15.75	16.09	0.34	2.15
Bihar	63.55	64.46	0.91	1.43
Delhi	46.32	47.45	1.13	2.45
Gujarat	56.77	58.33	1.56	2.74
Haryana	21.35	21.61	0.26	1.21
Himachal Pradesh	7.52	7.68	0.16	2.15
Jammu & Kashmir	8.44	8.56	0.12	1.44
Karnataka	56.76	57.98	1.22	2.15
Kerala	33.51	34.03	0.52	1.54
Madhya Pradesh	56.76	58.01	1.25	2.19
Maharashtra	75.03	77.00	1.98	2.64
Mumbai	34.11	33.61	-0.50	-1.47
North East	9.68	9.89	0.20	2.10
Orissa	25.98	26.63	0.64	2.48
Punjab	31.31	31.48	0.17	0.55
Rajasthan	54.55	54.51	-0.04	-0.08
T.N. (incl. Chennai)	79.34	80.84	1.51	1.90
U.P.(E)	80.18	79.82	-0.36	-0.45
U.P.(W)	49.72	50.12	0.40	0.80
Kolkata	22.53	23.02	0.49	2.16
West Bengal	44.49	45.66	1.17	2.63
All India	942.95	957.61	14.66	1.55

1.6 During the quarter, Gujrat Circle has recorded the highest growth rate of 2.74%, followed by Maharashtra (2.64%) and West Bengal (2.63%). Mumbai, Rajasthan and U.P.(East) Circles recorded decline in subscriber base during the quarter ending Sep-14.

Table 1.3: Service Area wise Rural-Urban Subscribers – Sep-14

Service Area	Subscribers (million)			
	Total	Rural	Urban	% of Rural Subs
Andhra Pradesh	70.82	29.88	40.94	42.19
Assam	16.09	9.72	6.37	60.41
Bihar	64.46	34.98	29.48	54.26
Delhi	47.45	2.37	45.08	5.00
Gujarat	58.33	21.89	36.44	37.53
Haryana	21.61	10.21	11.40	47.25
Himachal Pradesh	7.68	4.99	2.69	64.94
Jammu & Kashmir	8.56	4.08	4.48	47.64
Karnataka	57.98	16.93	41.06	29.19
Kerala	34.03	17.40	16.63	51.14
Madhya Pradesh	58.01	24.70	33.31	42.58
Maharashtra	77.00	35.84	41.16	46.55
Mumbai	33.61	0.43	33.18	1.28
North East	9.89	4.58	5.30	46.38
Orissa	26.63	14.39	12.24	54.05
Punjab	31.48	11.87	19.62	37.69
Rajasthan	54.51	26.98	27.53	49.50
T.N. (incl. Chennai)	80.84	22.52	58.33	27.85
U.P.(E)	79.82	39.51	40.31	49.50
U.P.(W)	50.12	23.17	26.95	46.22
Kolkata	23.02	1.68	21.34	7.28
West Bengal	45.66	29.94	15.73	65.56
All India	957.61	388.05	569.56	40.52

Chart 1.5: Net Addition/decline in Telephone Subscription



1.7 The net addition in telephone subscribers is 14.66 million in QE Sep-14 as against the net addition of 9.94 million in QE Jun-14.

Table 1.4 : Service Area wise Teledensity

Service Area	As on 30 th June, 2014			As on 30 th September, 2014		
	Rural Teledensity	Urban Teledensity	Total Teledensity	Rural Teledensity	Urban Teledensity	Total Teledensity
Andhra Pradesh	46.19	165.64	79.47	47.41	168.16	81.06
Assam	35.29	125.79	49.50	36.15	126.67	50.41
Bihar	30.07	154.21	47.13	29.98	158.55	47.66
Delhi	-	-	228.30	-	-	232.22
Gujarat	57.09	139.40	91.13	59.82	140.72	93.34
Haryana	58.57	118.31	79.65	58.76	119.62	80.31
Himachal Pradesh	78.71	328.83	107.46	80.41	333.19	109.55
J&K	45.06	132.73	69.18	46.02	132.93	69.98
Karnataka	45.61	167.91	92.44	44.62	173.84	94.20
Kerala	63.75	185.38	94.65	65.77	184.65	95.96

Service Area	As on 30 th June, 2014			As on 30 th September, 2014		
	Rural Teledensity	Urban Teledensity	Total Teledensity	Rural Teledensity	Urban Teledensity	Total Teledensity
Madhya Pradesh	33.51	116.53	56.02	33.34	120.62	57.04
Maharashtra*	56.91	128.83	91.25	57.98	129.49	92.20
Mumbai*						
North East	43.44	153.50	70.72	44.43	155.43	72.00
Orissa	40.90	162.22	62.00	41.52	167.05	63.41
Punjab	68.28	149.67	103.23	68.52	149.72	103.49
Rajasthan	49.64	161.23	76.51	49.68	159.67	76.18
T.N. (incl Chennai)	75.06	139.89	112.74	76.76	141.77	114.71
U.P.(E)*	36.51	132.66	58.31	36.25	132.47	58.09
U.P.(W)*						
Kolkata*	46.06	135.94	71.79	47.35	138.32	73.40
W.B.*						
All India	44.50	146.24	75.80	44.96	148.07	76.75

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

Notes:

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

1.8 Himachal Pradesh has the highest Rural Tele-density of 80.41, followed by Tamil Nadu (76.76). Bihar continues to have the lowest Rural Tele-density of 29.98, followed by Madhya Pradesh (33.34).

Table 1.5 : Growth/Decline in Subscribers

Service Provider	Subscriber base (millions)			Rate of Growth (%)	Market Share Jun-14 (%)	Market Share □ Sep-14 (%)
	Jun-14	Sep-14	Net Additions			
Bharti	212.60	214.92	2.32	1.09	22.55	22.44
Vodafone	169.96	173.92	3.96	2.33	18.02	18.16
IDEA	139.01	143.56	4.55	3.27	14.74	14.99
Reliance Comm. Group	110.06	111.32	1.25	1.14	11.67	11.62
BSNL	107.50	104.09	-3.41	-3.17	11.40	10.87
Aircel	73.07	75.85	2.78	3.80	7.75	7.92
Tata	64.44	65.84	1.40	2.17	6.83	6.88
Telewings	39.31	41.82	2.50	6.36	4.17	4.37
Sistema	9.21	9.19	-0.02	-0.25	0.98	0.96
MTNL	6.90	6.93	0.03	0.47	0.73	0.72
Videocon	5.55	5.94	0.39	7.06	0.59	0.62
Quadrant	2.50	2.66	0.16	6.44	0.26	0.28
Loop Mobile	2.84	1.58	-1.26	-44.23	0.30	0.17
Total	942.95	957.61	14.66	1.55	100	100

1.9 Bharti is the leading operator in access segment in terms of number of subscribers. During the quarter, Idea recorded the highest net addition of 4.55 million subscribers followed by Vodafone (3.96 million). BSNL recorded the highest net decline of 3.41 million subscribers during this quarter.

Table 1.6 : Market Share of the operators in total rural subscriber base – Q.E. Sep-14

Service Provider	No. of Total Subscribers (in millions)	No. of Rural Subscribers (in millions)	Percentage of Rural subscribers	Market share of Rural subscribers(%)
Bharti	214.92	97.45	45.34	25.11
Vodafone	173.92	91.86	52.82	23.67
IDEA	143.56	78.23	54.49	20.16
BSNL	104.09	34.63	33.27	8.92
Reliance Comm. Group	111.32	27.39	24.60	7.06
Aircel	75.85	26.81	35.34	6.91
Tata	65.84	16.31	24.78	4.20
Telewings	41.82	13.19	31.55	3.40
Sistema	9.19	2.12	23.10	0.55
Quadrant	2.66	0.06	2.22	0.02
Loop Mobile	1.58	-	0.00	0.00
Videocon	5.94	-	0.00	0.00
MTNL	6.93	-	0.00	0.00
Total	957.61	388.05	40.52	100

1.10 IDEA continues to be the service provider with highest proportion of rural subscribers (54.49%), followed by Vodafone (52.82%) to their total subscribers.

Section B : Wireless Service

Table 1.7: List of Cellular Mobile (GSM & CDMA) Service Providers currently providing service [As on 30th September, 2014]

Sl.No.	Service Provider	Area of Operation
1	Bharti	All India
2	Aircel Group	All India
3	Reliance Communications Ltd	All India (except Assam & NE)
4	Reliance Telecom Ltd	Kolkata, MP, WB, HP, Bihar, Orissa, Assam & NE
5	Vodafone	All India
6	Tata Teleservices	All India except Assam, NE & J&K
7	IDEA/Spice	All India
8	Sistema Shyam Telelink	Delhi, Kolkata, Gujarat, Karnataka, Tamil Nadu (incl. Chennai), Kerala, UP(W), Rajasthan & W.B.
9	BSNL	All India (except Delhi & Mumbai)
10	MTNL	Delhi & Mumbai
11	Loop Telecom Pvt Ltd	Mumbai
12	Quadrant	Punjab
13	Telewings Communications Services Pvt. Ltd.^	MH, Gujarat, AP, UP(W), UP(E), Bihar
14	Videocon Telecommunications Ltd	Gujarat, Haryana, UP(W)*, UP(E)*, MP, Bihar*

* M/s Videocon has no subscriber in UP(W), UP(E) and Bihar service areas as on 30.06.2014.

^ Telewings Communications was previously known as Unitech Group.

1.11 Complete list of licensed Cellular (GSM & CDMA) Service providers as on 30th September, 2014 is at Annexure -1.1

1.12 Total Wireless (GSM+CDMA) subscriber base increased from 914.92 million at the end of Jun-14 to 930.20 million at the end of Sep-14, thereby showing a growth rate of 1.67%. During this quarter, net addition of 15.28 million subscribers was recorded. The year-on-year (Y-O-Y), wireless subscribers shows growth rate of 6.85% for Sep-14.

1.13 Wireless Teledensity increased from 73.55 at the end of Jun-14 to 74.55 at the end of Sep-14.

Chart 1.6: Wireless Subscriber Base and Teledensity

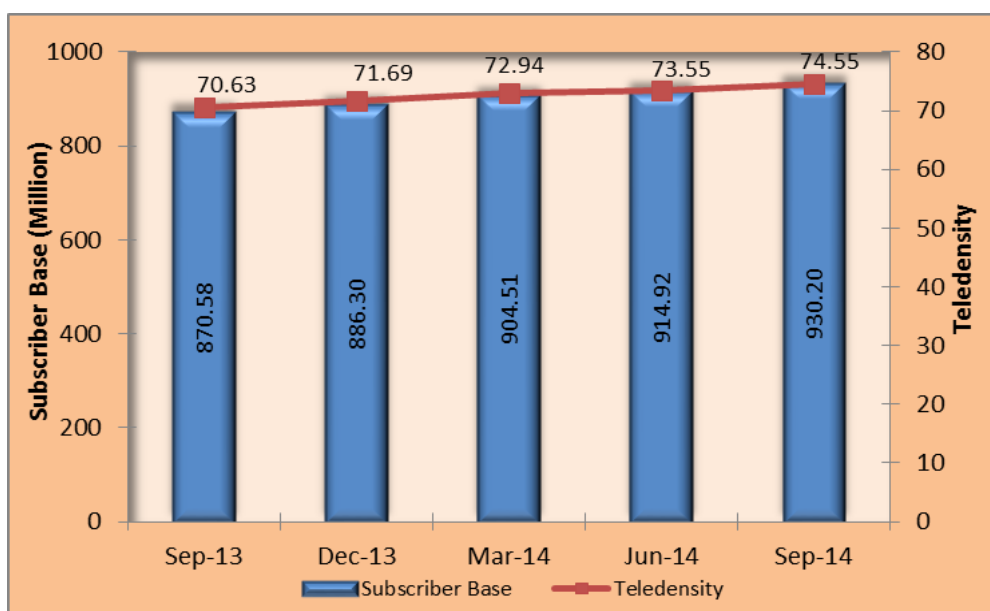


Table 1.8: Wireless Subscriber Base & Tele-density - Rural & Urban

Quarter ending	Subscriber Base (million)		Tele-density	
	Rural	Urban	Rural	Urban
Sep-13	350.37	520.21	40.96	137.93
Dec-13	359.67	526.63	41.95	138.94
Mar-14	371.78	532.73	43.27	139.86
Jun-14	377.36	537.56	43.82	140.44
Sep-14	382.50	547.70	44.32	142.39

- 1.14 The Rural Wireless subscribers increased from 377.36 million at the end of Jun-14 to 382.50 million at the end of Sep-14.
- 1.15 Rural subscription increased at the rate of 1.36% in QE Sep-14 as against the growth rate of 1.50% in QE Jun-14. Urban subscription increased at the rate of 1.89% as against the growth rate of 0.91% in the previous quarter.
- 1.16 The share of rural wireless subscription decreased from 41.24% to 41.12% in total wireless subscription in this quarter.

Chart 1.7: Wireless Market Share - Rural & Urban

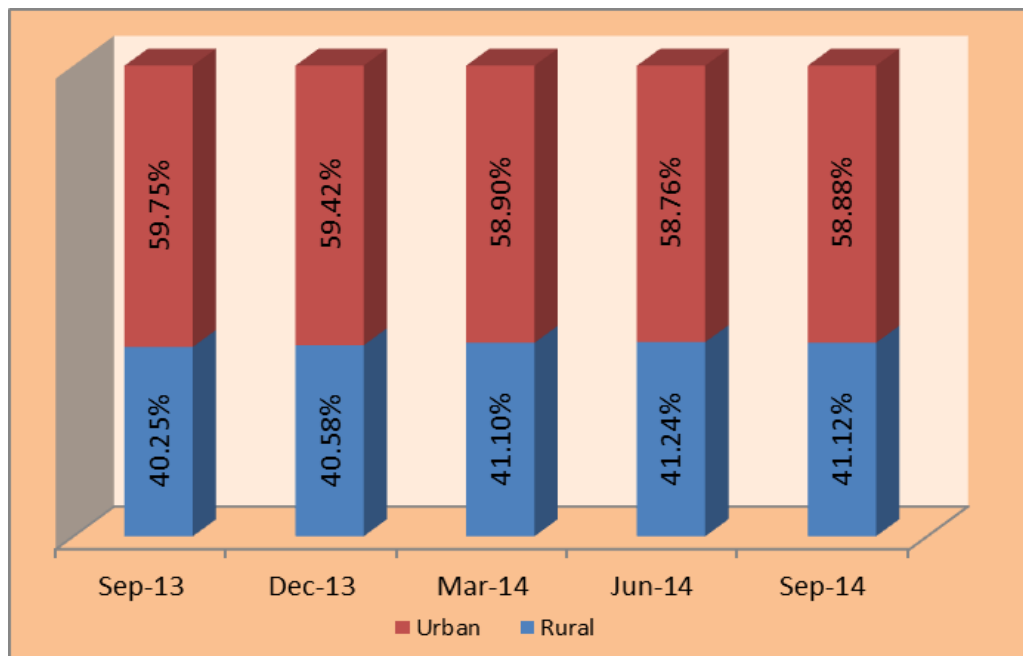


Table 1.9: Growth in Wireless Subscriber base

Service Provider	Subscriber Base (millions)			Rate of Growth (%)	Market Share □ Jun-14 (%)	Market Share □ Sep-14 (%)
	Jun-14	Sep-14	Net Additions			
Bharti	209.25	211.55	2.30	1.10	22.87	22.74
Vodafone	169.90	173.85	3.95	2.32	18.57	18.69
IDEA	139.01	143.56	4.55	3.27	15.19	15.43
Reliance Comm. Group	108.85	110.12	1.27	1.17	11.90	11.84
BSNL	89.47	86.72	-2.76	-3.08	9.78	9.32
Aircel	73.07	75.85	2.78	3.80	7.99	8.15
Tata	62.87	64.25	1.38	2.19	6.87	6.91
Telewings	39.31	41.82	2.50	6.36	4.30	4.50
Sistema	9.15	9.13	-0.02	-0.25	1.00	0.98
Videocon	5.55	5.94	0.39	7.06	0.61	0.64
MTNL	3.37	3.40	0.03	0.93	0.37	0.37
Quadrant	2.28	2.43	0.15	6.71	0.25	0.26
Loop	2.84	1.58	-1.26	-44.23	0.31	0.17
Total	914.92	930.20	15.28	1.67	-	-

1.17 Bharti remains the leading operator with 211.55 million subscribers at the end of Sep-14, followed by Vodafone (173.85 million) and Idea (143.56 million).

1.18 In terms of net additions during the quarter ending Sep-14, Idea (4.55 million) has added the highest number of subscribers, followed by Vodafone (3.95 million). BSNL has shown the maximum net decline of 2.76 million wireless subscribers during this quarter.

Table 1.10: Service Area wise Wireless Subscriber base

Service Area	Subscriber base (in million)			
	Jun-14	Sep-14	Net Additions	Rate of change (%)
Andhra Pradesh	67.29	68.86	1.58	2.34
Assam	15.57	15.91	0.34	2.19
Bihar	63.17	64.08	0.91	1.45
Delhi	43.21	44.33	1.13	2.61
Gujarat	55.12	56.73	1.60	2.91
Haryana	20.86	21.13	0.27	1.29
Himachal Pradesh	7.27	7.44	0.17	2.34
Jammu & Kashmir	8.26	8.40	0.14	1.74
Karnataka	54.49	55.72	1.23	2.26
Kerala	30.67	31.26	0.59	1.93
Madhya Pradesh	55.66	56.91	1.24	2.23
Maharashtra	72.76	74.79	2.03	2.79
Mumbai	31.07	30.57	-0.50	-1.61
North East	9.55	9.75	0.21	2.16
Orissa	25.64	26.29	0.65	2.53
Punjab	30.12	30.31	0.19	0.63
Rajasthan	53.65	53.63	-0.02	-0.04
T.N. (incl. Chennai)	76.47	78.02	1.56	2.03
U.P.(E)	79.43	79.28	-0.15	-0.19
U.P.(W)	49.19	49.61	0.41	0.84
Kolkata	21.47	21.98	0.51	2.37
West Bengal	44.00	45.19	1.19	2.70
All India	914.92	930.20	15.28	1.67

Table 1.11: Service Area wise Wireless Rural-Urban Subscriber base

Service Area	Subscriber base (in million) – Sep-14			
	Total	Rural	Urban	% of Rural Subscribers
Andhra Pradesh	68.86	29.37	39.49	42.66
Assam	15.91	9.69	6.22	60.89
Bihar	64.08	34.87	29.21	54.42
Delhi	44.33	2.37	41.96	5.35
Gujarat	56.73	21.57	35.15	38.03
Haryana	21.13	10.08	11.05	47.69
Himachal Pradesh	7.44	4.82	2.63	64.70
Jammu & Kashmir	8.40	4.05	4.35	48.21
Karnataka	55.72	16.63	39.09	29.84
Kerala	31.26	15.58	15.68	49.85
Madhya Pradesh	56.91	24.54	32.36	43.13
Maharashtra	74.79	35.33	39.45	47.25
Mumbai	30.57	0.43	30.14	1.41
North East	9.75	4.55	5.20	46.67
Orissa	26.29	14.30	11.99	54.40
Punjab	30.31	11.55	18.76	38.11
Rajasthan	53.63	26.79	26.84	49.95
T.N. (incl. Chennai)	78.02	22.04	55.99	28.24
U.P.(E)	79.28	39.42	39.85	49.73
U.P.(W)	49.61	23.10	26.50	46.57
Kolkata	21.98	1.68	20.31	7.62
West Bengal	45.19	29.72	15.47	65.76
All India	930.20	382.50	547.70	41.12

Table 1.12 : Service Area wise Wireless Tele-density

Service Area	As on 30 th June, 2014			As on 30 th September, 2014		
	Rural Teledensity	Urban Teledensity	Total Teledensity	Rural Teledensity	Urban Teledensity	Total Teledensity
Andhra Pradesh	45.37	159.53	77.17	46.61	162.18	78.82
Assam	35.16	122.82	48.92	36.03	123.75	49.85
Bihar	29.98	152.74	46.85	29.89	157.10	47.38
Delhi	-	-	212.98	-	-	216.98
Gujarat	56.15	134.33	88.49	58.95	135.76	90.78
Haryana	57.78	114.59	77.83	57.99	116.00	78.53
Himachal Pradesh	75.81	320.54	103.94	77.63	325.03	106.15
Jammu & Kashmir	44.70	128.23	67.68	45.70	129.02	68.67
Karnataka	44.79	159.55	88.73	43.84	165.52	90.52
Kerala	56.67	174.58	86.62	58.90	174.12	88.16
Madhya Pradesh	33.30	113.10	54.93	33.13	117.20	55.96
Maharashtra*	56.06	120.45	86.81	57.16	121.21	87.81
Mumbai*						
North East	43.13	150.53	69.75	44.12	152.54	71.05
Orissa	40.64	158.79	61.19	41.26	163.67	62.61
Punjab	66.40	143.02	99.30	66.71	143.16	99.64
Rajasthan	49.26	157.16	75.24	49.33	155.69	74.95
T.N. (incl. Chennai)	73.38	134.08	108.66	75.12	136.08	110.71
U.P.(E)*	36.39	130.57	57.74	36.16	130.69	57.62
U.P.(W)*						
Kolkata*	45.72	131.00	70.13	47.02	133.51	71.79
West Bengal*						
All India	43.82	140.44	73.55	44.32	142.39	74.55

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

Notes:

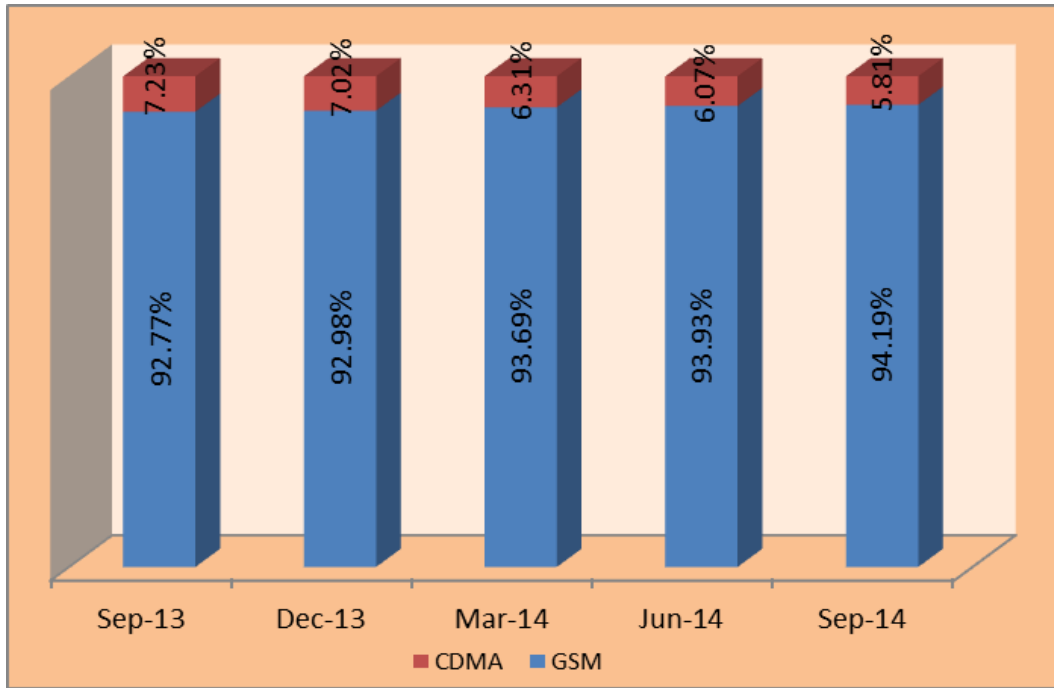
1. Teledensity figures are derived from the subscriber data provided by the operators and the population projections, for Urban and Rural areas, of the country, published by the Office of the Registrar General & Census Commissioner, India.
2. Delhi service area, apart from the State of Delhi, includes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

Table 1.13 : Rural Wireless Subscriber base and Market Share

Service Provider	Subscribers at the end of Sep-14 (in millions)	Rural Subscribers (in millions)		% of Rural subscribers in total		Market Share of Rural Subscribers (%)	
		Jun-14	Sep-14	Jun-14	Sep-14	Jun-14	Sep-14
Bharti	211.55	96.63	97.45	46.18	46.07	25.61	25.48
Vodafone	173.85	90.92	91.86	53.51	52.84	24.09	24.02
IDEA	143.56	76.85	78.23	55.28	54.49	20.37	20.45
BSNL	86.72	30.01	29.14	33.54	33.60	7.95	7.62
Reliance Comm. Group	110.12	27.02	27.38	24.82	24.87	7.16	7.16
Aircel	75.85	25.96	26.81	35.52	35.34	6.88	7.01
Tata	64.25	15.41	16.26	24.52	25.31	4.08	4.25
Telewings	41.82	12.38	13.19	31.49	31.55	3.28	3.45
Sistema	9.13	2.13	2.11	23.31	23.14	0.57	0.55
Quadrant	2.43	0.06	0.06	2.48	2.42	0.02	0.02
Videocon	5.94	0.00	0.00	0.00	0.00	0.00	0.00
MTNL	3.40	0.00	0.00	0.00	0.00	0.00	0.00
Loop	1.58	0.00	0.00	0.00	0.00	0.00	0.00
Total	930.20	377.36	382.50	41.24	41.12	100	100

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

Chart 1.8: Wireless Subscription: GSM vs CDMA



1.20 At the end of Sep-14, GSM subscribers constituted 94.19% share of the wireless market.

GSM Services

1.21 The GSM subscribers were 876.15 million at the end of Sep-14 as against 859.36 million at the quarter ending Jun-14, showing a quarterly growth of 1.95%. Bharti with 211.55 million subscribers continues to be the largest GSM mobile operator, followed by Vodafone (173.85 million).

**Table 1.14 : Group-wise Market Share (in terms of subscription)
within GSM Service**

Service Provider	Jun-14		Sep-14		Net Additions (in million)
	No of Subscribers (in millions)	Market Share (%)	No of Subscribers (in millions)	Market Share (%)	
Bharti	209.25	24.35	211.55	24.15	2.30
Vodafone	169.90	19.77	173.85	19.84	3.95
Idea	139.01	16.18	143.56	16.39	4.55
BSNL	87.30	10.16	84.61	9.66	-2.69
Reliance Comm. Group	80.84	9.41	82.61	9.43	1.77
Aircel	73.07	8.50	75.85	8.66	2.78
Tata	46.73	5.44	49.04	5.60	2.30
Telewings	39.31	4.57	41.82	4.77	2.50
Videocon	5.55	0.65	5.94	0.68	0.39
MTNL	3.28	0.38	3.31	0.38	0.03
Loop	2.84	0.33	1.58	0.18	-1.26
Quadrant	2.28	0.27	2.43	0.28	0.15
Total	859.36	100	876.15	100	16.79

1.22 There has been a net increase of 16.79 million GSM subscribers during the quarter ending Sep-14.

CDMA Services

1.23 The CDMA subscriber base further declined from 55.56 million at the end of Jun-14 to 54.05 million at the end of Sep-14, thereby showing a negative growth rate of 2.72%. Reliance Communications Group with 27.51 million subscribers continues to be the largest CDMA mobile operator.

Table 1.15 : Market Share (in terms of subscription) within CDMA Service

Service Provider	Jun-14		Sep-14		Net Addition/ Decline (in million)
	No of Subscribers (in million)	Market Share (%)	No of Subscribers (in million)	Market Share (%)	
Reliance Comm. Group	28.01	50.41	27.51	50.90	-0.50
Tata	16.13	29.04	15.21	28.14	-0.92
Sistema	9.15	16.47	9.13	16.89	-0.02
BSNL	2.17	3.91	2.11	3.90	-0.07
MTNL	0.09	0.16	0.09	0.17	0.00
Quadrant	0.002	0.004	0.002	0.004	0.00
Total	55.56	100	54.05	100	-1.51

1.24 There has been a net decline of 1.51 million CDMA subscribers during the quarter ending Sep-14.

1.25 In terms of net additions during the quarter, more or less all the service providers recorded decline in their CDMA subscriber base.

Section C : Wireline Service

Table 1.16 : Service Providers providing Wireline Service

[As on 30th September, 2014]

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

1.26 Total Wireline subscriber base declined from 28.03 million at the end of Jun-14 to 27.41 million at the end of Sep-14 with quarterly declining rate of 2.21%. Overall Wireline Teledensity is 2.20 at the end of this quarter as against 2.25 of the previous quarter.

1.27 Rural subscriber base has shown decline of 4.53%, from 5.81 Million at the end of Jun-14 to 5.55 Million at the end of Sep-14. During the same period, Urban subscription also recorded decline of 1.60%, from 22.21 million to 21.85 million.

Chart 1.9: Wireline Subscriber Base and Teledensity

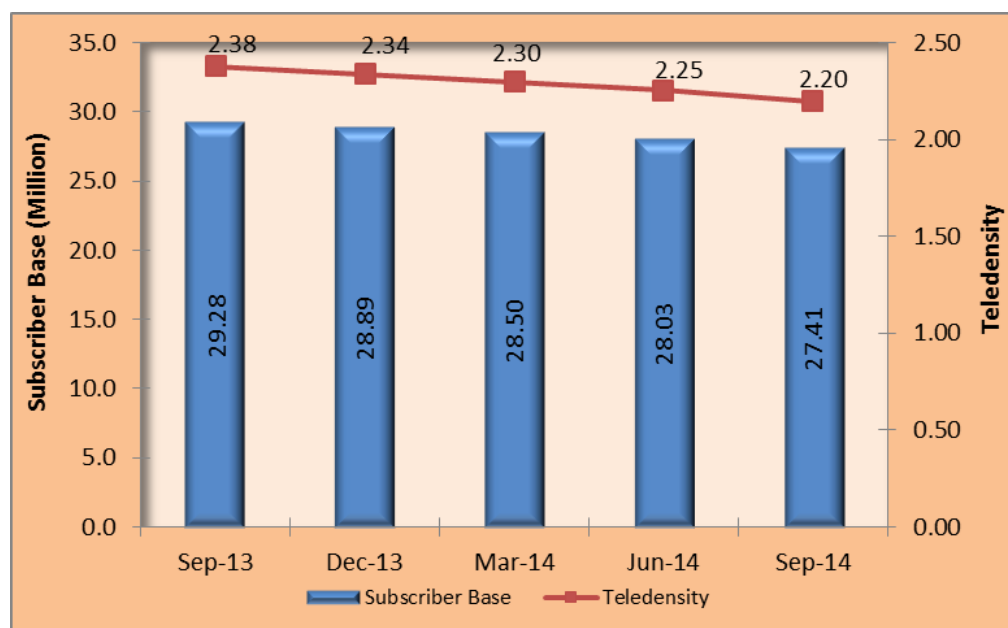


Table 1.17 : Wireline Subscriber Base & Tele-density - Rural & Urban

Quarter ending	Subscriber Base (million)		Teledensity	
	Rural	Urban	Rural	Urban
Sep-13	6.31	22.97	0.74	6.09
Dec-13	6.12	22.77	0.71	6.01
Mar-14	5.96	22.53	0.69	5.91
Jun-14	5.81	22.21	0.68	5.80
Sep-14	5.55	21.85	0.64	5.68

Table 1.18 : Service Provider wise Subscriber base (Rural - Urban)

Service Provider	Subscriber Base (million) Sep-14			Share of Rural subscription (%)
	Rural	Urban	Total	
BSNL	5.49	11.88	17.37	31.61
MTNL	-	3.53	3.53	--
Bharti	-	3.37	3.37	--
Reliance	0.002	1.19	1.19	0.16
Tata	0.05	1.54	1.59	3.09
Quadrant	-	0.22	0.22	--
Sistema	0.01	0.05	0.06	17.17
Vodafone	-	0.07	0.07	--
Total	5.55	21.85	27.41	20.26

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

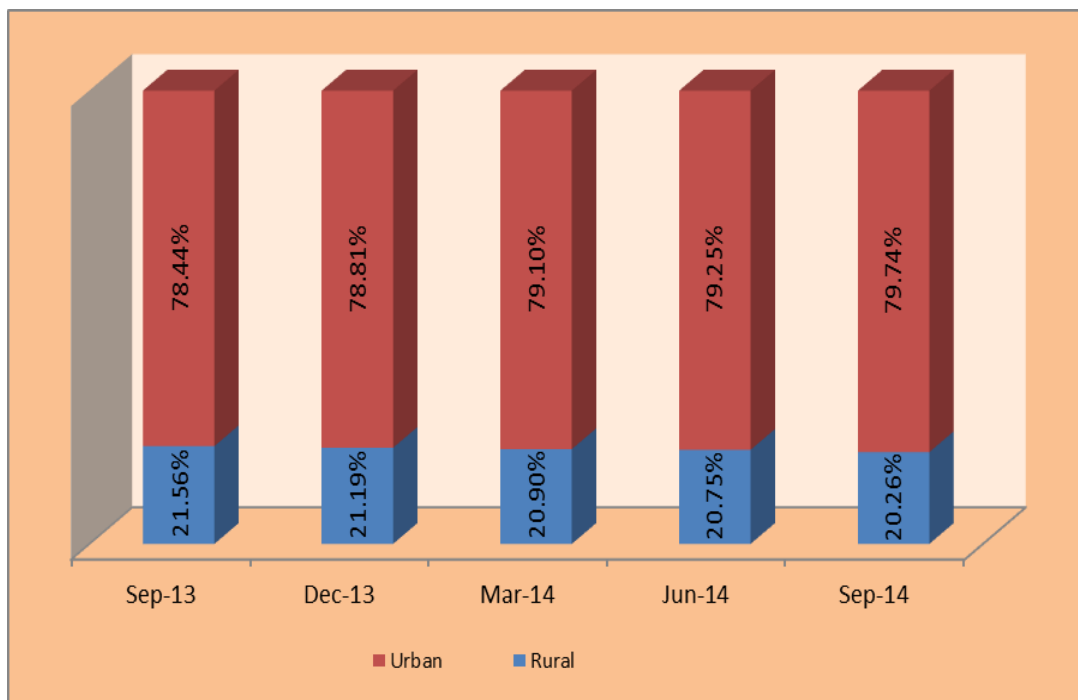


Table 1.19 : Service Provider wise growth in Subscriber base

Service Provider	Subscriber Base (million)			Rate of change (%)	Market share-Jun-14 (%)	Market share-Sep-14 (%)
	Jun-14	Sep-14	Net Addition			
BSNL	18.03	17.37	-0.658	-3.65	64.32	63.38
MTNL	3.53	3.53	0.001	0.04	12.59	12.88
Bharti	3.35	3.37	0.022	0.65	11.95	12.30
Tata	1.57	1.59	0.021	1.31	5.60	5.81
Reliance	1.21	1.19	-0.022	-1.81	4.33	4.35
Quadrant	0.22	0.22	0.008	3.62	0.77	0.82
Sistema	0.06	0.06	-0.0003	-0.49	0.20	0.20
Vodafone	0.06	0.07	0.009	13.89	0.23	0.26
Total	28.03	27.41	-0.620	-2.21	100	100

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

Table 1.20: Service Area wise Wireline Subscriber base & Net Additions (in million)

Service Area	Jun-14	Sep-14	Net Additions (in million)	Rate of Change (%)
Andhra Pradesh	2.00	1.96	-0.043	-2.14
Assam	0.18	0.18	-0.002	-0.99
Bihar	0.38	0.38	-0.004	-0.94
Delhi	3.11	3.11	0.006	0.20
Gujarat	1.65	1.60	-0.047	-2.87
Haryana	0.49	0.48	-0.011	-2.30
Himachal Pradesh	0.25	0.24	-0.008	-3.31
Jammu & Kashmir	0.18	0.16	-0.022	-12.22
Karnataka	2.27	2.26	-0.012	-0.54
Kerala	2.84	2.77	-0.075	-2.66
Madhya Pradesh	1.10	1.10	0.004	0.34
Maharashtra	2.27	2.22	-0.050	-2.21
Mumbai	3.05	3.04	-0.001	-0.04
North East	0.13	0.13	-0.003	-2.15
Orissa	0.34	0.34	-0.004	-1.23
Punjab	1.19	1.17	-0.018	-1.51
Rajasthan	0.90	0.88	-0.023	-2.53
T.N. (incl. Chennai)	2.87	2.82	-0.047	-1.64
U.P.(E)	0.75	0.55	-0.204	-27.24
U.P.(W)	0.53	0.51	-0.012	-2.27
Kolkata	1.06	1.03	-0.024	-2.24
W.B.	0.49	0.47	-0.019	-3.82
All India	28.03	27.41	-0.620	-2.21

1.29 All service areas except Delhi and Madhya Pradesh showed decline in wireline subscribers during the quarter Sep-14.

**Table 1.21: Service Area wise Wireline Rural-Urban Subscriber Base
- Sep-14 (in million)**

Service Area	Total Subs	Rural Subs	Urban Subs	% of Rural Subs
Andhra Pradesh	1.96	0.50	1.46	25.64
Assam	0.18	0.03	0.15	18.52
Bihar	0.38	0.11	0.27	28.16
Delhi	3.11	0.00	3.11	0.00
Gujarat	1.60	0.32	1.28	19.86
Haryana	0.48	0.13	0.35	27.85
Himachal Pradesh	0.24	0.17	0.07	72.34
Jammu & Kashmir	0.16	0.03	0.13	17.67
Karnataka	2.26	0.30	1.97	13.06
Kerala	2.77	1.82	0.95	65.74
Madhya Pradesh	1.10	0.16	0.95	14.26
Maharashtra	2.22	0.51	1.71	22.89
Mumbai	3.04	0.00	3.04	0.00
North East	0.13	0.03	0.10	24.41
Orissa	0.34	0.09	0.25	26.54
Punjab	1.17	0.31	0.86	26.67
Rajasthan	0.88	0.19	0.68	22.02
T.N. (incl. Chennai)	2.82	0.48	2.34	17.07
U.P.(E)	0.55	0.09	0.46	16.42
U.P.(W)	0.51	0.06	0.45	12.56
Kolkata	1.03	0.00	1.03	0.00
W.B.	0.47	0.22	0.26	45.81
All India	27.41	5.55	21.85	20.26

Table 1.22: Service Area wise Wireline Teledensity

Service Area	As on 30 th June, 2014			As on 30 th September, 2014		
	Rural Teledensity	Urban Teledensity	Total Teledensity	Rural Teledensity	Urban Teledensity	Total Teledensity
Andhra Pradesh	0.82	6.10	2.29	0.80	5.98	2.24
Assam	0.13	2.97	0.57	0.12	2.93	0.57
Bihar	0.09	1.47	0.28	0.09	1.45	0.28
Delhi	-	-	15.32	-	-	15.24
Gujarat	0.94	5.06	2.64	0.87	4.95	2.56
Haryana	0.80	3.72	1.83	0.77	3.62	1.78
Himachal Pradesh	2.90	8.30	3.52	2.78	8.16	3.40
Jammu & Kashmir	0.36	4.50	1.50	0.32	3.92	1.31
Karnataka	0.82	8.36	3.70	0.78	8.33	3.68
Kerala	7.08	10.79	8.02	6.87	10.52	7.80
Madhya Pradesh	0.21	3.43	1.08	0.21	3.42	1.08
Maharashtra*	0.85	8.37	4.44	0.81	8.28	4.39
Mumbai*						
North East	0.32	2.96	0.97	0.31	2.89	0.95
Orissa	0.26	3.44	0.81	0.26	3.38	0.80
Punjab	1.88	6.64	3.93	1.81	6.56	3.86
Rajasthan	0.38	4.06	1.26	0.36	3.97	1.23
Tamil Nadu (incl. Chennai)	1.68	5.81	4.08	1.64	5.69	4.00
U.P.(E)*	0.13	2.09	0.57	0.09	1.78	0.47
U.P.(W)*						
Kolkata*	0.34	4.94	1.66	0.32	4.81	1.61
W.B.*						
All India	0.68	5.80	2.25	0.64	5.68	2.20

* Population data/projections are available state-wise only

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

Public Call Offices (PCO)

1.30 Total number of PCOs in the country at the end of Sep-14 is 8.54 lakh as compared to 9.13 lakh at the end of Jun-14, showing a decline of 0.59 lakh PCOs. Detailed table is at Annexure -1.4.

Chart 1.11: Number of PCOs

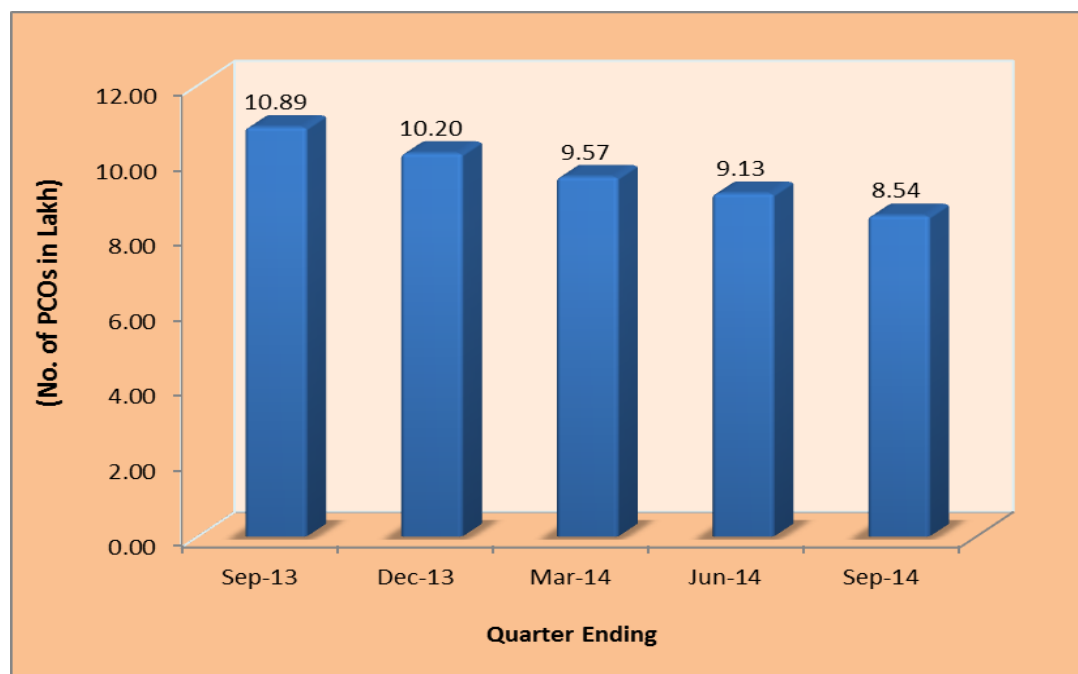


Table 1.23 : Rate of change & Market share of PCOs

Service Provider	Jun-14 (in lakh)	Sep-14 (in lakh)	Rate of change (in lakh)	Market share (%) (Sep-14)
BSNL	5.90	5.51	-6.65	64.54
MTNL	1.42	1.40	-1.04	16.41
Bharti	0.26	0.24	-4.70	2.85
Quadrant	0.03	0.03	-4.72	0.34
Sistema	0.13	0.12	-8.49	1.38
Tata	0.70	0.63	-10.37	7.39
Reliance	0.69	0.60	-12.27	7.08
Vodafone	-	-	-	-
Total	9.13	8.54	-6.45	100

1.31 Number of PCOs continued show declining trend. This quarter has recorded a decline of 6.45%. The year-on-year (Y-O-Y) decline rate over the same quarter of the last year is 21.61%.

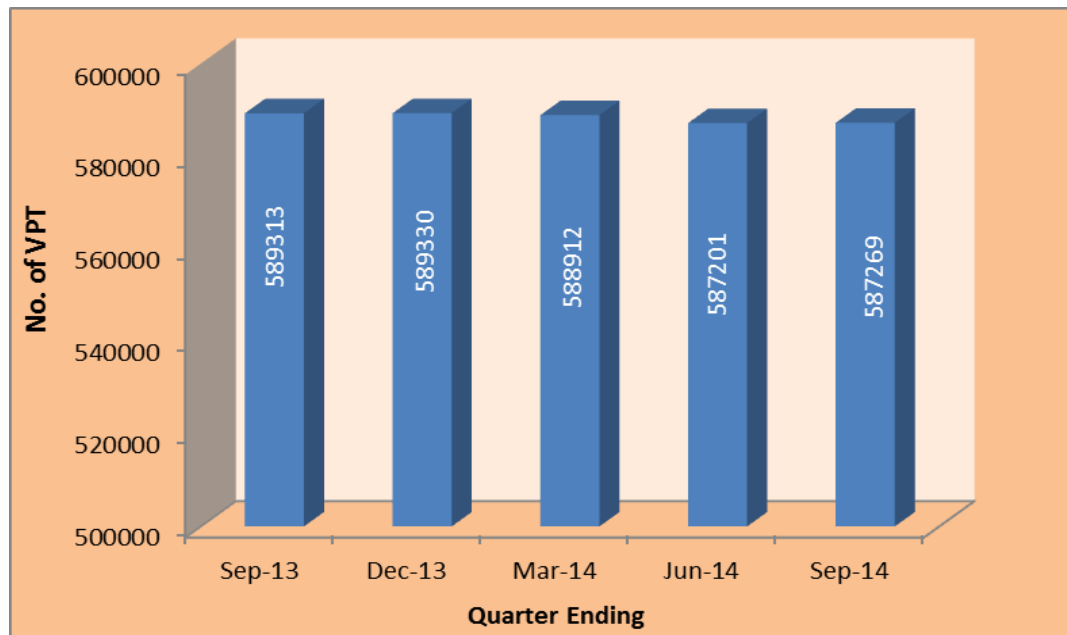
Village Public Telephones (VPTs)

1.32 There are 5,93,731 inhabited villages in India as per census 2001. At the end of the quarter, 98.91% of the total inhabited villages in India have been connected by VPT.

1.33 The number of VPTs slightly increased from 5,87,201 at the end of Jun-14 to 5,87,269 at the end of Sep-14.

1.34 BSNL (5,82,469) has 99.18% market share of total VPTs followed by Sistema (3010) with 0.51%. Detailed table is at Annexure -1.5.

Chart 1.12: Growth/decline Trend in VPTs



Section D: Internet Service

1.35 The report summarized information submitted by 129 internet service providers. It is divided into three parts. **Part-I** consists of information of Internet service (both narrowband and broadband), **Part-II** consists of broadband service and **Part-III** covers narrowband service.

Part-I : Internet Service (broadband + narrowband)

1.36 As per reports received from service providers, total number of internet subscribers declined from 259.14 million at the end of Jun-14 to 254.40 million at the end of Sep-14 with quarterly decline of 1.83%.

1.37 Wired Internet subscribers increased from 18.55 million at the end of Jun-14 to 18.70 million at the end of Sep-14 with quarterly growth of 0.81%, whereas Wireless Internet subscribers declined from 240.60 million at the end of Jun-14 to 235.24 million at the end of Sep-14 with quarterly decline of 2.04%.

1.38 Number of Broadband subscribers increased from 68.83 million at the end of Jun-14 to 75.73 million at the end of Sep-14. The number of Narrowband subscribers declined from 190.31 million at the end of Jun-14 to 178.67 million at the end of Sep-14.

Table 1.24: Trend of Internet subscriber base

Segment	Mode of Access								Total Subscribers	
	Wired		Wireless							
			Fixed Wireless (Wi-Fi, Wi-Max, Radio & VSAT)		Mobile Wireless (Phone + Dongle)		Total Wireless			
Jun-14	Sep-14	Jun-14	Sep-14	Jun-14	Sep-14	Jun-14	Sep-14	Jun-14	Sep-14	
Broadband	14.97	15.13	0.42	0.42	53.43	60.18	53.86	60.60	68.83	75.73
Narrowband	3.58	3.57	0.04	0.04	186.70	175.06	186.74	175.10	190.31	178.67
Total	18.55	18.70	0.46	0.46	240.14	235.24	240.60	235.70	259.14	254.40

1.39 The following charts present the composition of Internet Subscribers by mode of access and composition of Broadband & Narrowband subscription.

Chart 1.13: Composition of Internet subscription

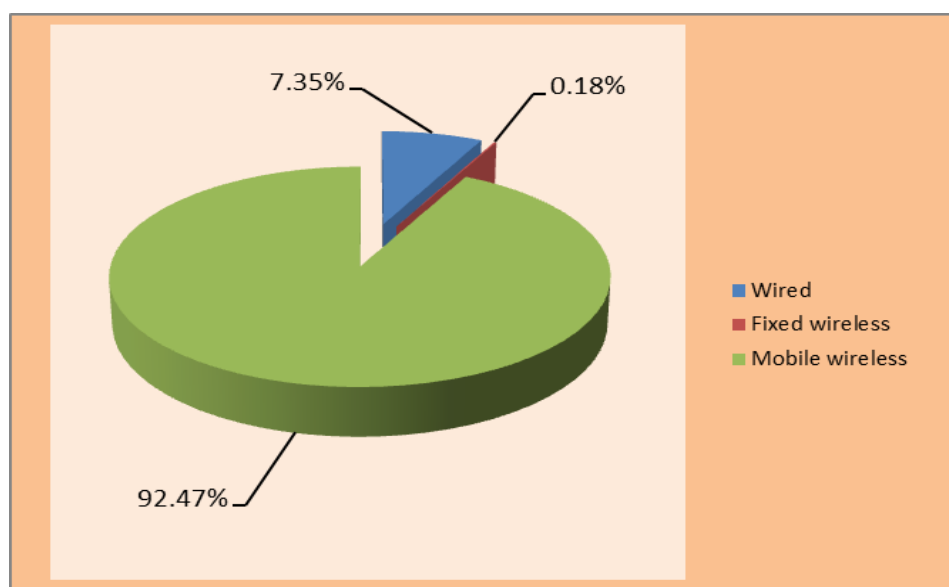


Chart 1.14 : Composition of Broadband & Narrowband subscription

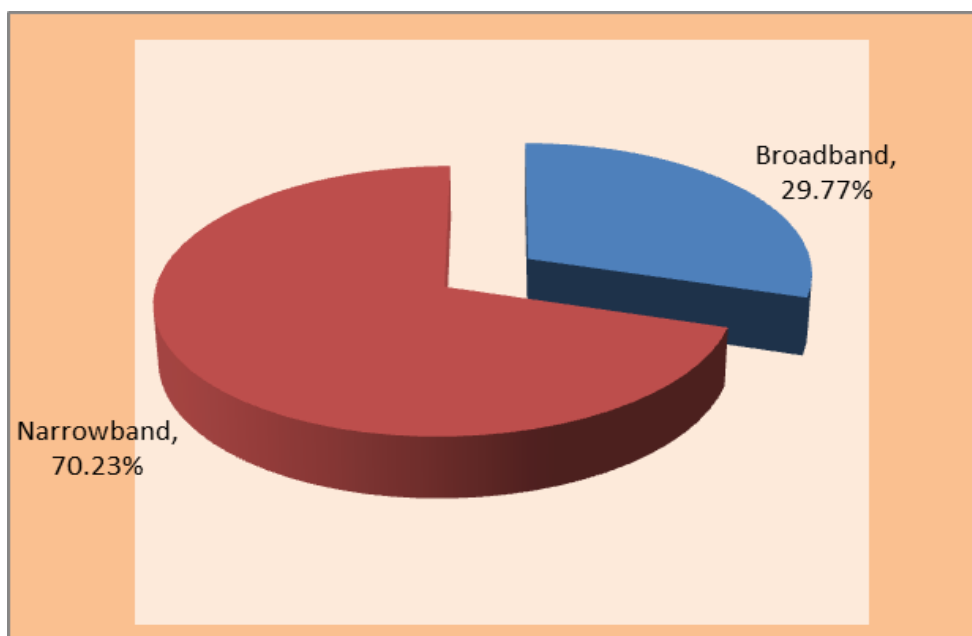


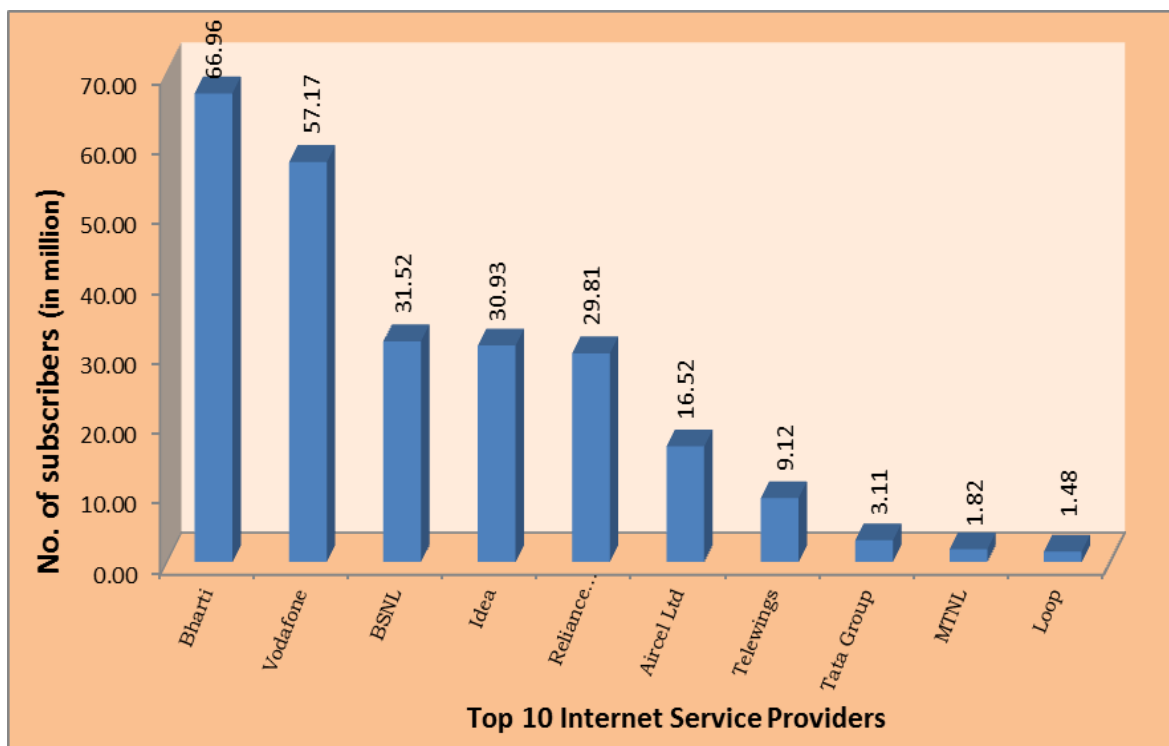
Table 1.25: Internet Subscriber Base and Market Share of top 10 Service Providers – Sep-14

S.No	ISP	Subs	Share (%)
1	Bharti	66962376	26.32
2	Vodafone	57166574	22.47
3	BSNL	31524041	12.39
4	Idea	30934355	12.16
5	Reliance Communication Group	29807767	11.72
6	Aircel	16523942	6.50
7	Telewings	9119795	3.58
8	Tata Group	3107026	1.22
9	MTNL	1823214	0.72
10	Loop	1480948	0.58
	Total of Top 10 ISPs	248450038	97.66
	Others	5949847	2.34
	Grand Total	254399885	100

1.40 Bharti holds the top position with 26.32% of market share of internet subscribers followed by Vodafone with 22.47%. Top 10 Service Providers together hold 97.66% of total internet subscriber base. Detailed table of all the service providers is available at Annexure-1.6.

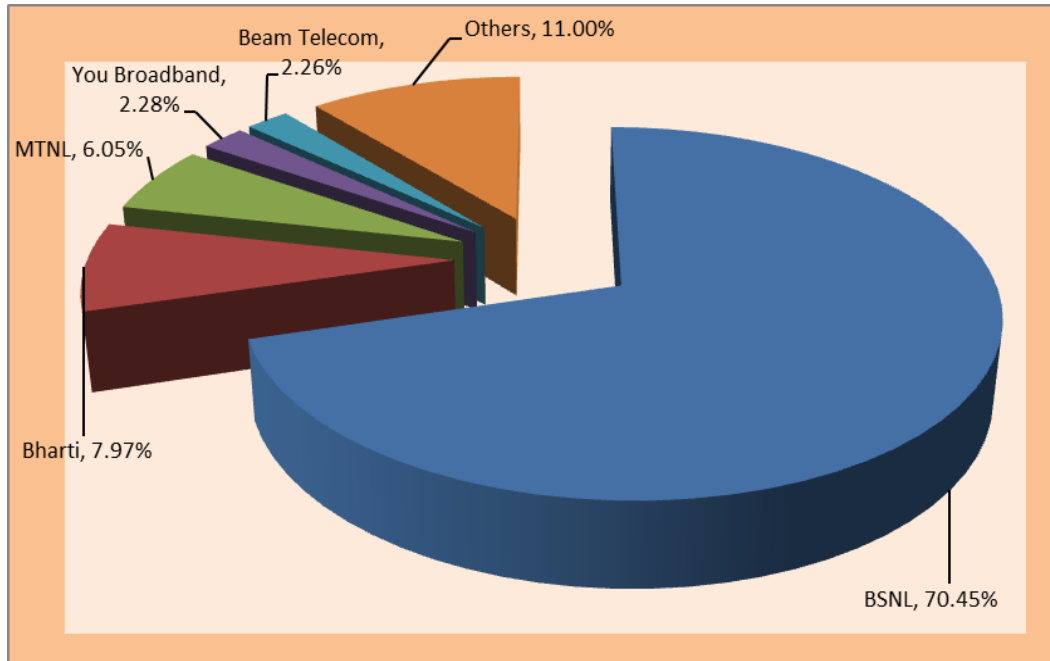
1.41 The following chart depicts the subscriber base of top ten ISPs in the QE Sep-14.

Chart 1.15 : Subscriber base of top ten ISPs



1.42 In wired internet segment, BSNL holds 70.45% market share with 13.17 million subscribers, followed by Bharti with 1.49 million and MTNL with 1.13 million subscribers. Total number of wired internet subscriber is 18.70 million at the end of Sep-14.

Chart 1.16 : Composition of Wired Internet subscribers



1.43 In wireless internet segment, Bharti holds 27.78% market share with 65.47 million subscribers followed by Vodafone with 57.16 million and Idea Cellular with 30.93 million internet subscribers.

Chart 1.17 : Composition of Wireless Internet subscription

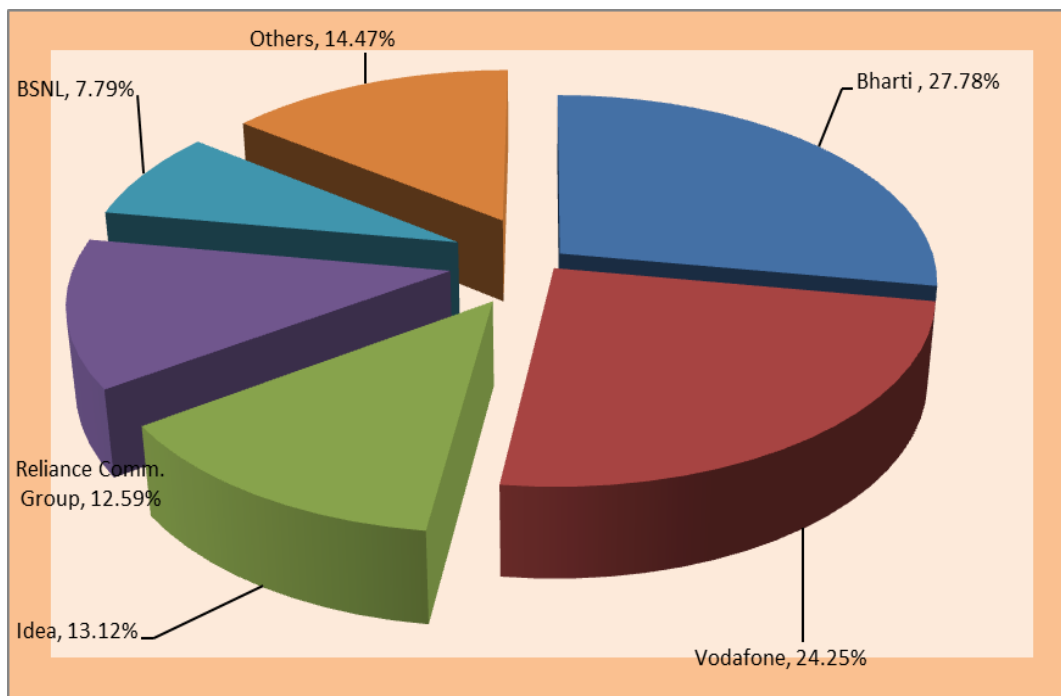


Chart 1.18 : Technology trend for Wireless Internet Access – Sep-14

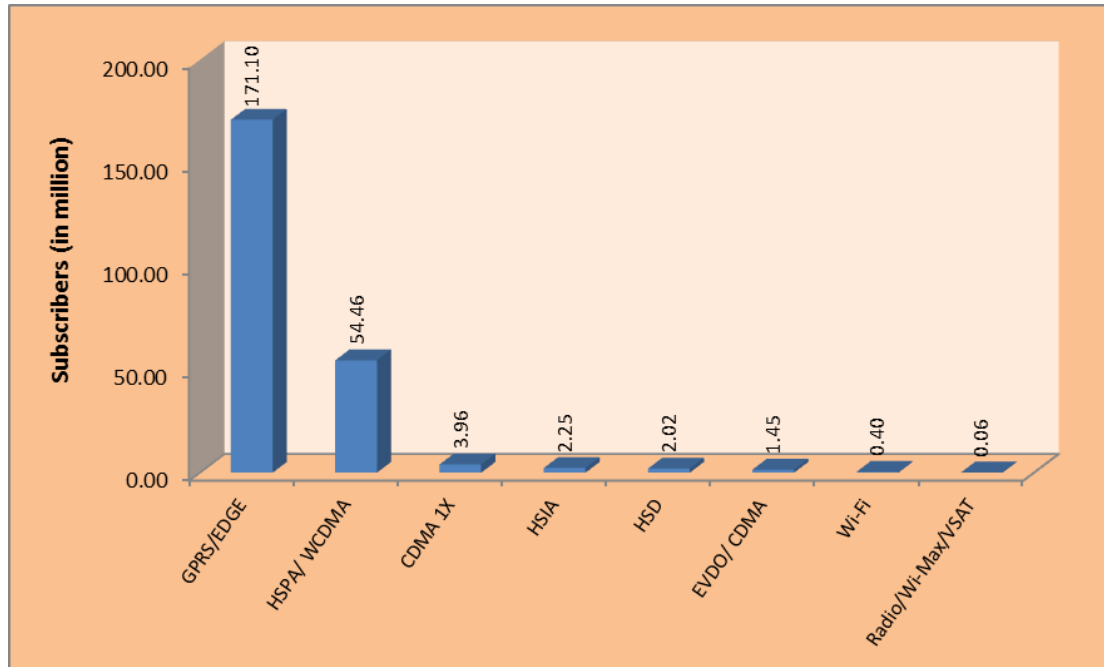
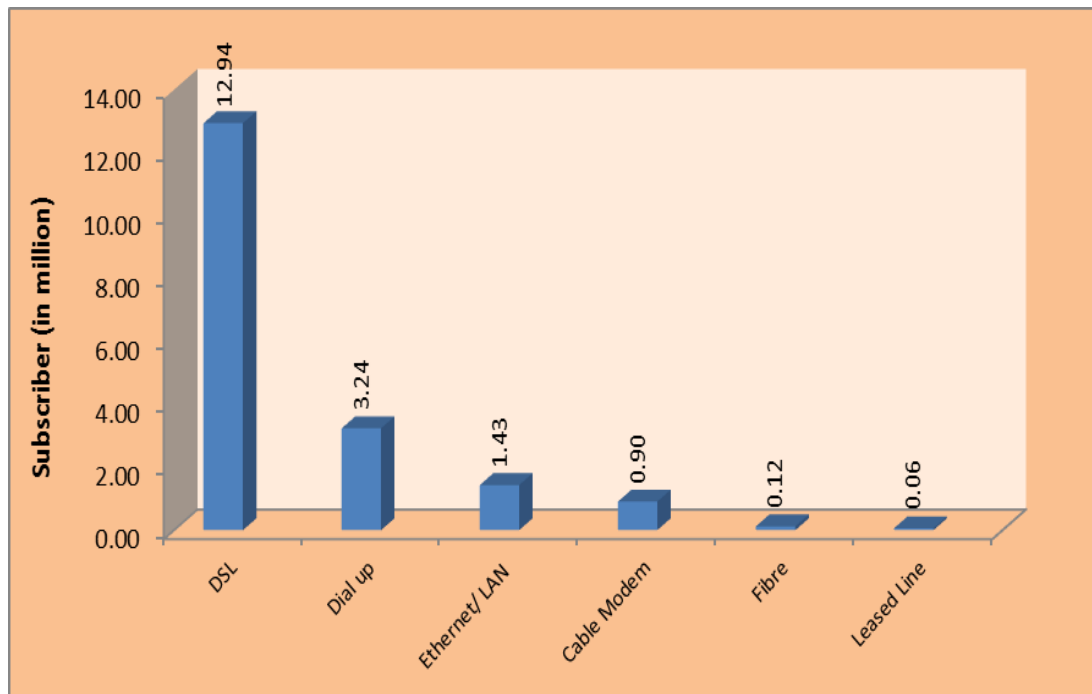


Chart 1.19 : Technology trend for Wired Internet Access – Sep-14



1.44 Top five service areas in terms of internet subscriptions (wired + wireless) are Maharashtra (23.21 million), Tamil Nadu including Chennai (21.01 million), Andhra Pradesh (18.83 million), Gujarat (17.15 million) and Karnataka (16.56 million).

Table 1.26 : Service Area wise number of Internet Subscribers

Service Area	Narrowband (million)	Broadband (million)	Total Internet Subscribers (million)	Total Internet subscribers per 100 population
Andhra Pradesh	12.94	5.90	18.83	21.56
Assam	3.53	1.01	4.54	14.22
Bihar	10.33	2.57	12.90	9.54
Delhi	8.77	7.65	16.42	80.37
Gujarat	11.77	5.39	17.15	27.45
Haryana	4.09	1.37	5.46	20.29
Himachal Pradesh	1.67	0.55	2.22	31.61
J & K	2.20	0.49	2.70	22.07
Karnataka	10.56	6.00	16.56	26.90
Kerala	7.30	4.66	11.96	33.73
Madhya Pradesh	10.05	3.20	13.25	13.03
Maharashtra	16.23	6.98	23.21	31.02*
Mumbai	7.91	6.10	14.02	
North East	2.35	0.78	3.13	22.81
Orissa	4.24	1.29	5.53	13.16
Punjab	8.31	2.19	10.50	34.51
Rajasthan	10.02	3.19	13.21	18.46
Tamil Nadu (incl. Chennai)	13.28	7.72	21.01	29.81
UP (East)	12.89	2.24	15.13	11.31*
UP (West)	7.84	2.33	10.17	
Kolkata	4.48	2.21	6.69	17.65*
West Bengal	7.91	1.92	9.82	
Total	178.67	75.73	254.40	20.39

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

Notes:

1. No. of total internet subscribers per 100 population is derived from the subscriber data provided by the operators and the population projections of the country, published by the Office of the Registrar General & Census Commissioner, India.

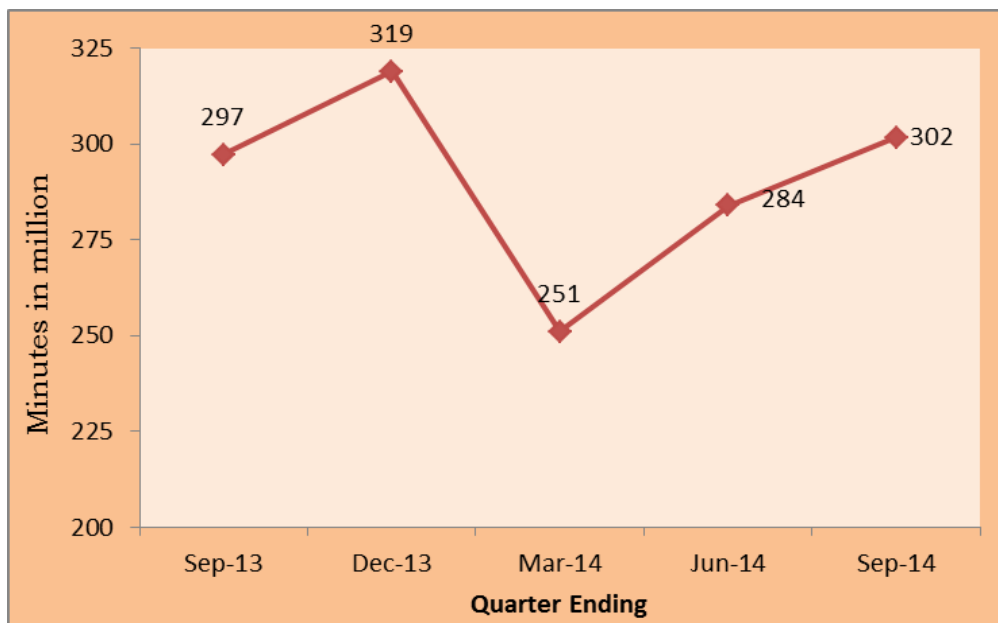
ISP Connectivity

1.45 The International Internet bandwidth owned by various SPs is reported to be 1409 GB during the quarter ending Sep-14 as compared to 1312 GB during the previous quarter.

Internet Telephony

1.46 As per the report available with the TRAI from 22 ISPs providing Internet Telephony services, the total outgoing minutes of usage for internet telephony increased from 284 million during the Q.E. Jun-14 to 302 million during the Q.E. Sep-14. The list of these Internet Telephony Service providers is available at Annexure-1.7.

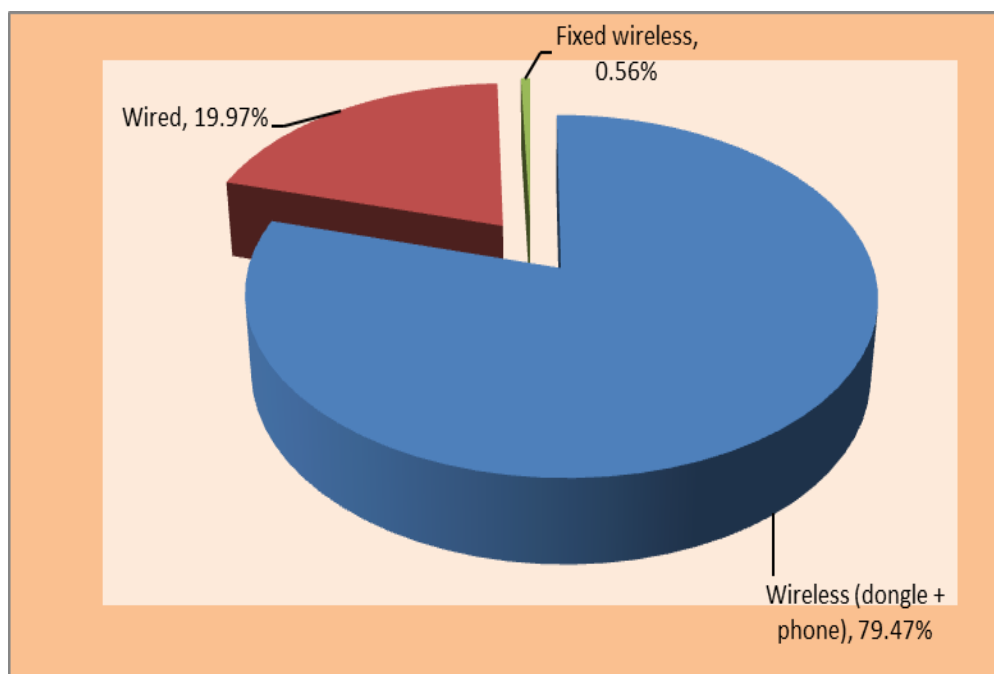
Chart 1.20 : Trends in MOU for Internet Telephony



Part-II : Broadband Service (Download Speed >=512 Kbps)

- 1.47 As per information received from service providers, the total number of broadband subscribers increased from 68.83 million at the end of Jun-14 to 75.73 million at the end of Sep-14. Out of which wired broadband subscribers are 15.13 million and wireless broadband subscribers are 60.60 million.
- 1.48 Top five broadband (wired+wireless) service providers in term of subscribers are BSNL (17.92 million), Bharti (16.83 million), Vodafone (13.56 million), Idea (10.53 million) and Reliance Communications Group (6.50 million).
- 1.49 In wired broadband segment, BSNL holds 65.95% market share with 9.98 million subscribers followed by Bharti with 1.40 million and MTNL with 1.13 million subscribers.
- 1.50 In wireless broadband segment, Bharti holds 25.47% market share with 15.44 million subscribers followed by Vodafone with 13.55 million and Idea Cellular with 10.53 million subscribers.
- 1.51 Top five service areas in respect of broadband subscriptions are Tamil Nadu including Chennai (7.72 million), Delhi (7.65 million), Maharashtra (6.98 million), Mumbai (6.10 million) and Karnataka (6.00 million).

Chart 1.21 : Composition of Broadband subscription – Technology wise



1.52 Mobile Device Users (dongle + phone) constitute 79.47% of total broadband subscribers.

Part-III : Narrowband Service (Download Speed <512 Kbps)

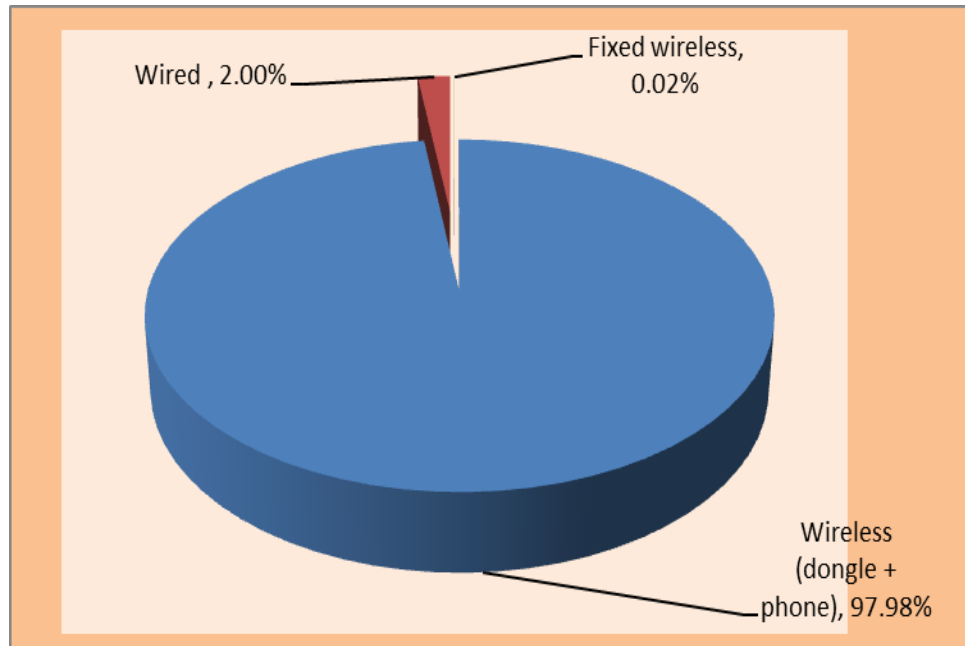
1.53 As reported by the service providers, total number of narrowband subscribers declined from 190.31 million at the end of Jun-14 to 178.67 million at the end of Sep-14. Out of which Wired Narrowband subscribers are 3.57 million and Wireless Narrowband subscribers are 175.10 million.

1.54 The top five narrowband (wired + wireless) service providers in term of subscriber base are Bharti (50.13 million), Vodafone (43.61 million), Reliance Communications Group (23.31 million), Idea Cellular (20.41 million) and Aircel (14.79 million).

1.55 In wired narrowband segment, BSNL holds 89.51% market share with 3.19 million subscribers followed by Bharti (0.09 million) and Tata (0.08 million).

1.56 In wireless narrowband segment, Bharti holds 28.58% market share with 50.04 million subscribers followed by Vodafone (43.61 million) and Reliance Communications Group (23.28 million).

Chart 1.22 : Composition of Narrowband subscription – Technology wise



Section E : Other Value Added Services - PMRTS & VSAT

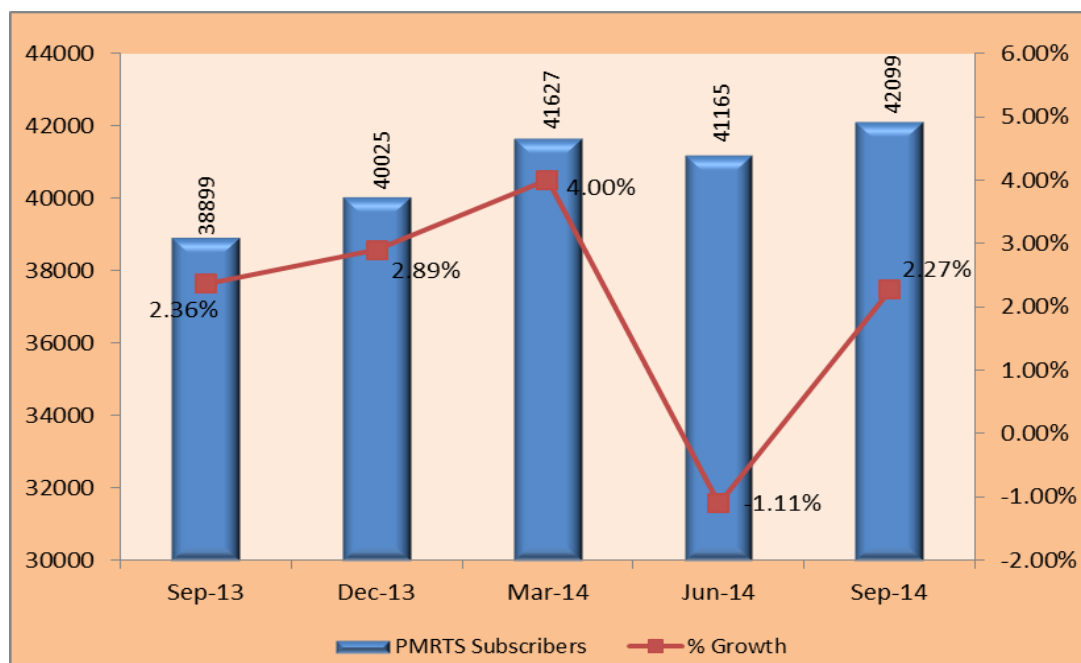
Public Mobile Radio Trunk Services (PMRTS)

1.57 The subscriber base of PMRTS increased from 41,165 at the end of Jun-14 to 42,099 at the end of Sep-14 with quarterly growth rate of 2.27%.

Table 1.27 : PMRTS Subscriber base - Service Provider wise

Sr. No.	Name of the Service Provider	Subscriber Base as on 30.06.2014	Subscriber Base as on 30.09.2014	%age Growth in Subscribers	%age in Market Share as on 30.09.2014
1	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	32199	34104	5.92	81.01
2	Procall Ltd.	4863	4490	-7.67	10.67
3	QuickCall	2530	2413	-4.62	5.73
4	Smartalk Pvt Ltd.	972	691	-28.91	1.64
5	Bhilwara Telenet Services Pvt.Ltd.	601	401	-33.28	0.95
	Total	41165	42099	2.27	100

Chart 1.23 : Number of PMRTS subscribers & Rate of Growth (%)



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

Very Small Aperture Terminal (VSAT)

1.59 The total number of VSAT subscribers increased from 2,21,453 at the end of Jun-14 to 2,25,602 at the end of Sep-14. Net addition during the quarter has been 4,149 at the quarterly growth rate of 1.87%.

Table 1.28 : VSAT Service Providers currently providing service & their subscriber base

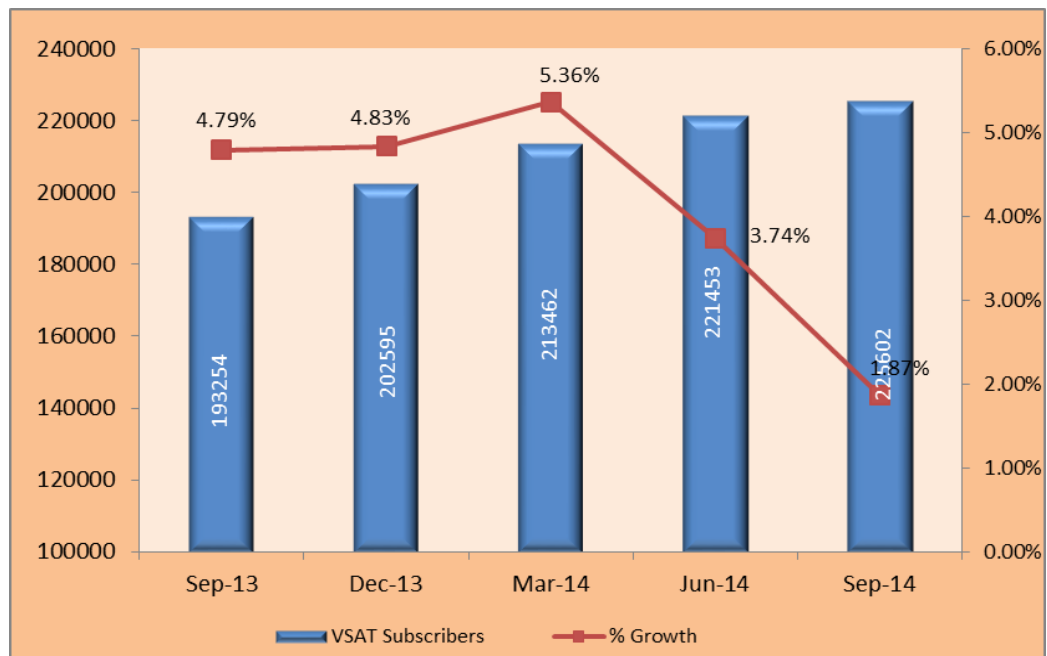
Sr. No	Name of Service Providers	Subscriber base at the Quarter ending		%age Growth	Market Share (%) Sep-14
		Jun-14	Sep-14		
1	Hughes Communications Ltd.	93309	96024	2.91	42.56
2	Bharti Airtel Limited	53388	53911	0.98	23.90
3	Tatanet Services	31838	32251	1.30	14.30
4	HCL Comnet	21034	20507	-2.51	9.09
5	BSNL	15678	16414	4.69	7.28
6	Infotel Satcom	1785	1625	-8.96	0.72
7	Essel Shyam	400	374	-6.50	0.17
8	Bharti Broadband	118	0*	-	-
9	Infinium India Ltd.	2154	2546	18.20	1.13
10	National Informatics Centre Services Incorporated	1749	1950	11.49	0.86
	Total	221453	225602	1.87	100

*M/s Bharti Broadband has not reported the subscriber base for the Q.E. Sep-14 due to expiry of their license on 22.08.2014

1.60 Hughes Communication Limited continues to be the market leader with subscriber base of 96,024.

1.61 Infinium India Ltd has recorded maximum growth rate, whereas HCL Comnet, Infotel Satcom and Essel Shyam have registered negative growth in VSAT subscribers in this quarter.

Chart 1.24 : Number of VSAT Subscribers & Rate of Growth (%)



Chapter 2 :

Revenue and Usage

-
- For all the parameters, Metros indicate data for Delhi, Mumbai & Kolkata. Data for Chennai service area has been included in Circle A, as part of TN.
 - ARPU arrived after adjusting interconnect usage charges and roaming settlement charges.
 - The data contained in the section A & B covers the licensees, who have been providing service during the entire period from 1st July, 2014 to 30th September, 2014 in the various service areas.

Section A: GSM Service

Table 2.1: Key Indicators - GSM Service

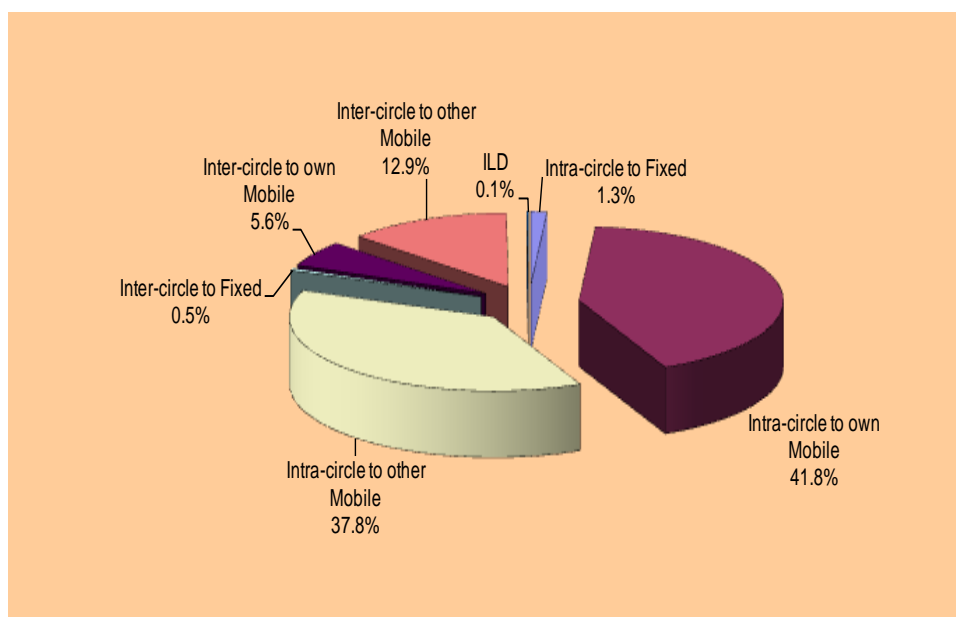
Parameter	Q.E. Sep-14	Q.E. Jun-14	Q.E. Sep-13	QoQ %age change over Jun-14	YoY %age change over Sep-13
Subscriber Base# (million)	875.86	858.88	807.16	1.98	8.51
Share of Prepaid (%)	95.80	95.89	96.07	-0.09	-0.29
Incoming MOU* per subscriber per month	194	201	193	-3.38	0.80
Outgoing MOU* per subscriber per month	182	189	182	-3.86	-0.33
No. of Outgoing SMS per subscriber per month	24	25	29	-4.74	-17.91
Average Revenue Per User (ARPU) per month	116	119	109	-2.71	6.08

The subscriber figures are as on the last day of the respective quarters

* Minutes of Usage

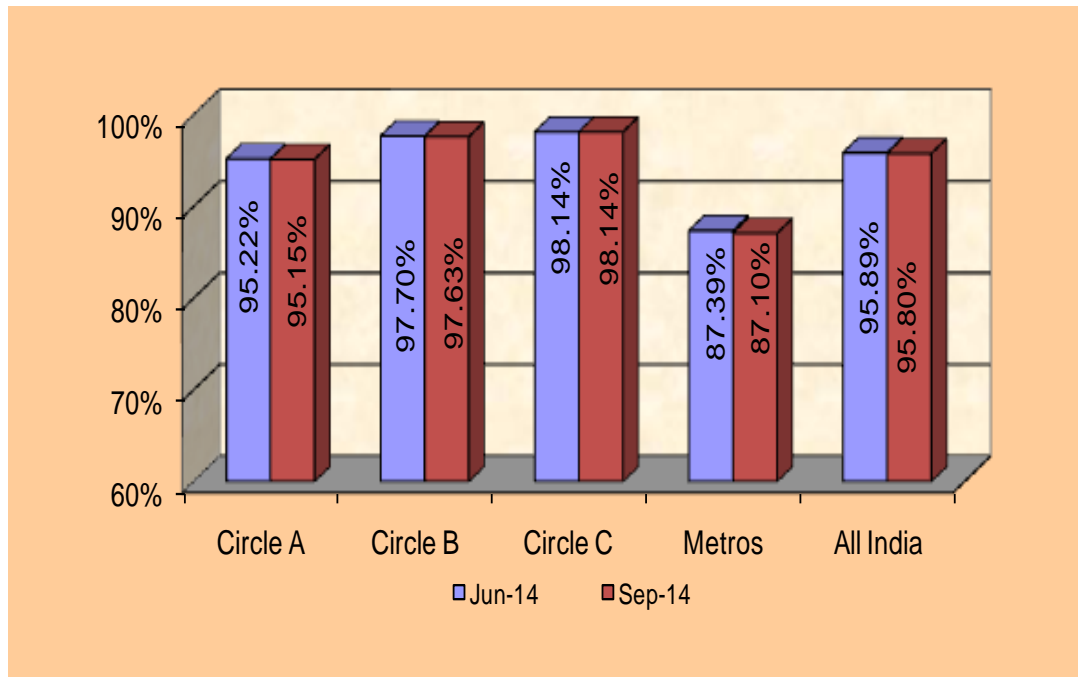
2.1 The following chart presents % break-up of outgoing minutes from Home Service Area (HSA) in the QE Sep-14.

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



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

Chart 2.2: Proportion of prepaid subscribers - GSM Service



Note: Based on subscriber figures as on the last day of the quarter.

2.3 Market share of prepaid segment declined from 95.89% at the end of Jun-14 to 95.80% at the end of Sep-14.

2.4 The ARPU per month (all India, blended) declined from Rs.119 in Q.E. Jun-14 to Rs.116 in Q.E. Sep-14. The following table presents the ARPU per month for various categories of circles and various platforms for payment viz. post-paid and pre-paid.

Table 2.2: Monthly ARPU - GSM Service

Circle Category	ARPU per month in Q.E. September, 2014 (in Rs)		
	Post-paid	Pre-paid	Blended
Circle A	453	107	124
Circle B	421	96	104
Circle C	424	97	103
Metros	505	105	156
All India	459	101	116
All private SPs	464	102	117
BSNL/MTNL	411	88	101

2.5 The ARPU per month for pre-paid segment declined from Rs.104 in QE Jun-14 to Rs.101 in QE Sep-14 and the ARPU per month for post-paid segment also declined from Rs.469 in QE Jun-14 to Rs.459 in QE Sep-14.

2.6 The following table presents the composition of ARPU per month in the Q.E. Sep-14.

Table 2.3: Composition of ARPU per month - GSM Service

S. No.	Item	Revenue (excl. service tax) per subscriber per month (in Rs.)	% share of total revenue from subscribers
1	Usage from Home Service Area		
1.1.	Rental Revenue	19.50	15.3
1.2.	Revenue from calls	69.35	54.6
1.3.	Revenue from SMS	3.75	3.0
1.4.	Revenue from data usage	20.48	16.1
1.5.	Revenue from other VAS	5.04	4.0
1.6.	Other revenue	1.92	1.5
2	Usage outside Home Service Area		
2.1.	Revenue from outroamers	7.00	5.5
3	Total revenue from subscribers (1+2)	127.02	100
4	Net inter-operator settlement charges receivable *	-11.30	
5	Net Revenue (ARPU) per month(3+4)	115.72	

* includes Interconnect Usages Charges and roaming settlement charges

- 2.7 From the above table, it may be seen that the net inter-operator settlement charges payable (Rs.11.30) accounts for 8.90% of the total revenue from subscribers.
- 2.8 Revenue from data usage from home service area increased from Rs.18.29 per subscriber per month in the QE Jun-14 to Rs.20.40 in the QE Sep-14.
- 2.9 On an all India average, the overall minutes of usage (MOU) per subscriber per month decreased from 390 in QE Jun-14 to 376 in QE Sep-14. The following table presents the total MOU (usage from, and outside, the home service area) per subscriber per month for various categories of circles.

Table 2.4: MOU per subscriber per month - GSM Service

Circle category	MOU per subscriber per month								
	Postpaid			Prepaid			Blended		
	Outgoing MOU	Incoming MOU	Total MOU	Outgoing MOU	Incoming MOU	Total MOU	Outgoing MOU	Incoming MOU	Total MOU
Circle A	577	416	993	164	167	331	184	179	363
Circle B	577	385	963	157	190	348	167	195	362
Circle C	534	378	912	174	227	400	180	230	410
Metro	541	361	902	193	171	363	237	195	432
All India	564	390	954	165	186	351	182	194	376

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

- 2.10 The overall ratio of incoming MOU and outgoing MOUs for the QE Sep-14 is 52:48.

2.11 No. of outgoing SMS per subscriber per month decreased from 25 in Q.E. Jun-14 to 24 in Q.E. Sep-14. The following table presents the outgoing SMS usage (usage from, and outside, the home service area) per subscriber per month for various categories of circles and various platforms for payment viz. post-paid and pre-paid.

Table 2.5: No. of Outgoing SMS per subscriber per month - GSM Service

Circle category	Outgoing SMS per subscriber month		
	Postpaid	Prepaid	Blended
Circle A	62	32	33
Circle B	60	18	19
Circle C	43	15	16
Metro	45	22	25
All India	55	23	24

Note: No. of Outgoing SMS indicate total usage i.e. usage from and outside HSA

Chart 2.3 : Minutes of Usage by Out-roamers as a % of Total Minutes of Usage

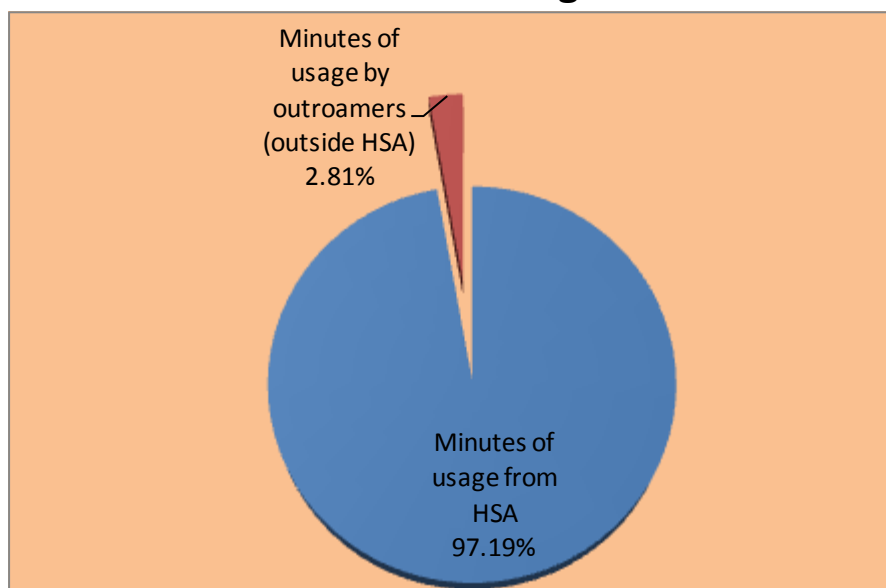
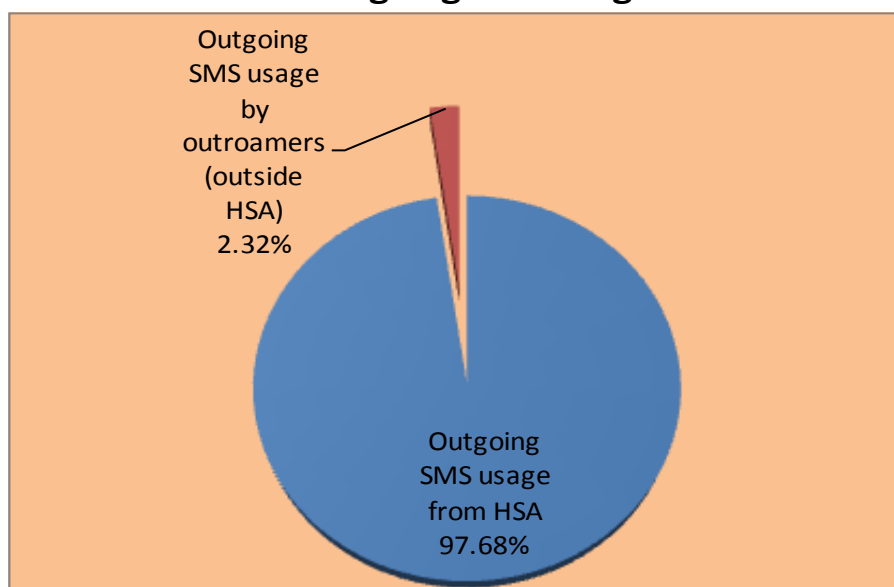


Chart 2.4: Outgoing SMS Usage by Out-roamers as a % of Total No. of Outgoing SMS Usage



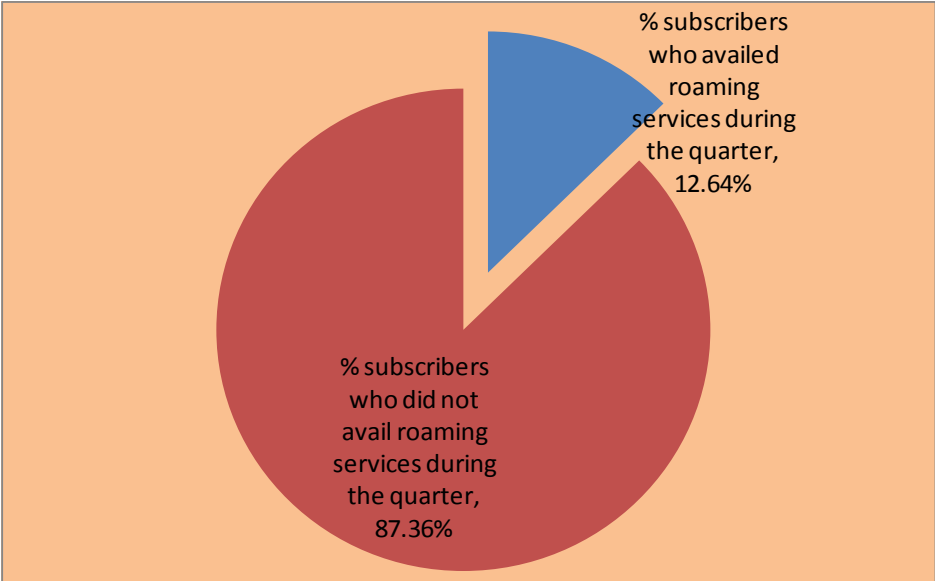
2.12 The following table presents the percentage break-up of outgoing minutes of usage from home service area between various categories of termination networks.

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

Circle Category	% Intra-circle to wireline	% Intra-circle to own wireless	% Intra-circle to other wireless	% Inter-circle to wireline	% Inter-circle to own wireless	% Inter-circle to other wireless	% ILD
Circle A	1.46	39.40	42.06	0.38	4.51	12.05	0.13
Circle B	0.95	45.72	37.12	0.42	5.11	10.58	0.11
Circle C	1.11	51.89	31.66	0.70	5.07	9.52	0.05
Metros	1.94	24.87	34.03	0.64	11.25	26.95	0.32
All India	1.28	41.80	37.76	0.47	5.63	12.94	0.13

2.13 The chart given below presents the percentage of subscribers who availed roaming services (out-roamers) during the quarter ending Sep-14.

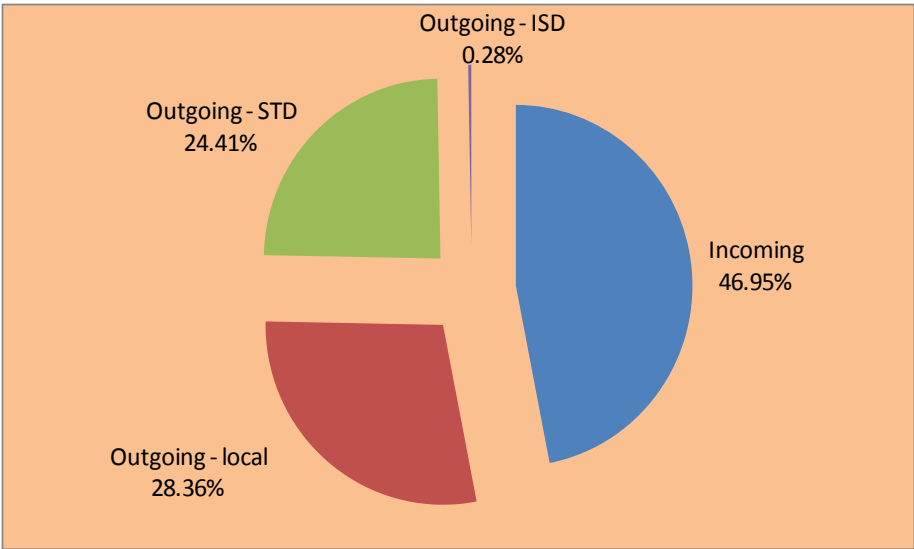
Chart 2.5: % subscribers who availed roaming services during the quarter



2.14 The usage pattern of out-roamers i.e. usage from outside the home service area shows that incoming minutes accounts for 46.95% of the total minutes of usage by out-roamers as against 45.53% in the previous quarter.

2.15 The chart given below presents the break-up of minutes of usage of out-roamers during the Q.E. Sep-14.

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



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

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

$$\text{Average Subscriber Outgo per Outgoing Minute for usage from HAS} = \frac{\text{Rental revenue} + \text{revenue from outgoing calls from HSA}}{\text{No. of outgoing minutes from HSA}}$$

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

(₹ per minute)

Circle Category	Postpaid	Prepaid	Blended
Circle A	0.55	0.52	0.52
Circle B	0.54	0.48	0.48
Circle C	0.61	0.45	0.46
Metros	0.64	0.54	0.57
All India	0.58	0.49	0.50

2.17 All India average subscriber outgo per outgoing minute decreased from ₹ 0.51 in the QE Jun-14 to ₹ 0.50 in the QE Sep-14.

Table 2.8: Trends of Key Parameters - GSM Service

Parameter	Sep-13	Dec-13	Mar-14	Jun-14	Sep-14
1. ARPU (₹ Per month)	109	112	113	119	116
2. MOU per subscriber per month	375	379	389	390	376
3. Outgoing MOU per subscriber per month					
3.1 Local (Intra-circle)	145	147	151	153	146
3.2 NLD (inter-circle)	37	37	37	36	36
3.3 ILD	0.3	0.3	0.3	0.3	0.3
4. No. of Outgoing SMS per subscriber per month	29	28	27	25	24
5. Average subscriber Outgo per outgoing minute from HSA (₹)	0.51	0.51	0.50	0.51	0.50

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

Section B: CDMA - Full Mobility Service

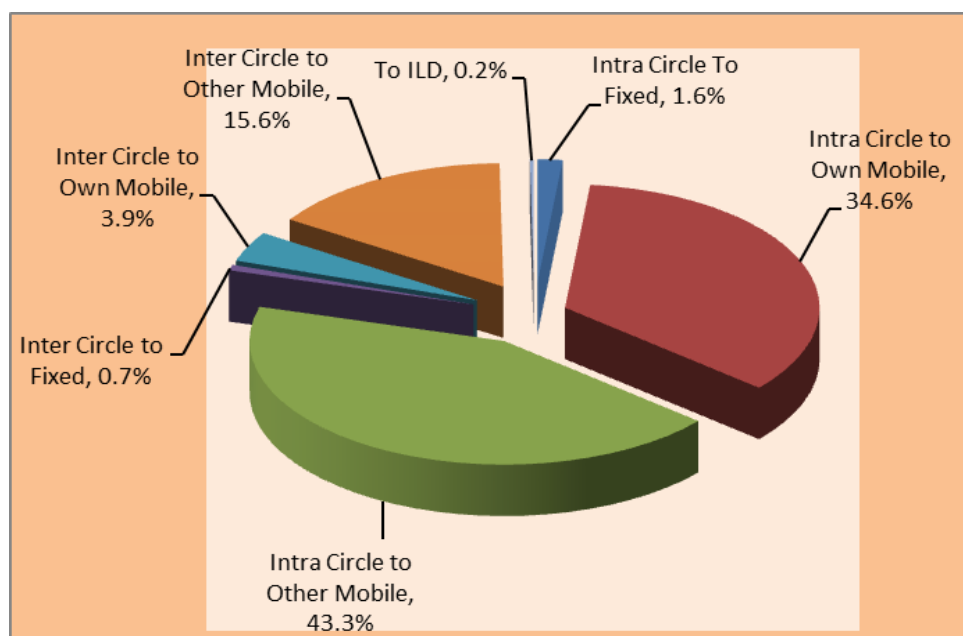
Table 2.9: Key Indicators - CDMA Full Mobility Service

Parameters	QE Sep-14	QE Jun-14	QE Sep-13	QoQ change (%)	YoY change (%)
Subscriber Base in Millions*	43.63	45.06	51.48	-3.19	-15.25
Share of Prepaid (%)	88.84	89.04	89.82	-0.22	-1.09
Incoming MOUs per subscriber per month	126	136	125	-7.23	0.83
Outgoing MOUs per subscriber per month	141	147	137	-4.06	2.69
No. of Outgoing SMS per subscriber per month	16	17	17	-3.23	-4.11
ARPU (Rs. per month)	110	112	98	-1.13	12.25

** The subscriber figures are as on last day of the quarter.*

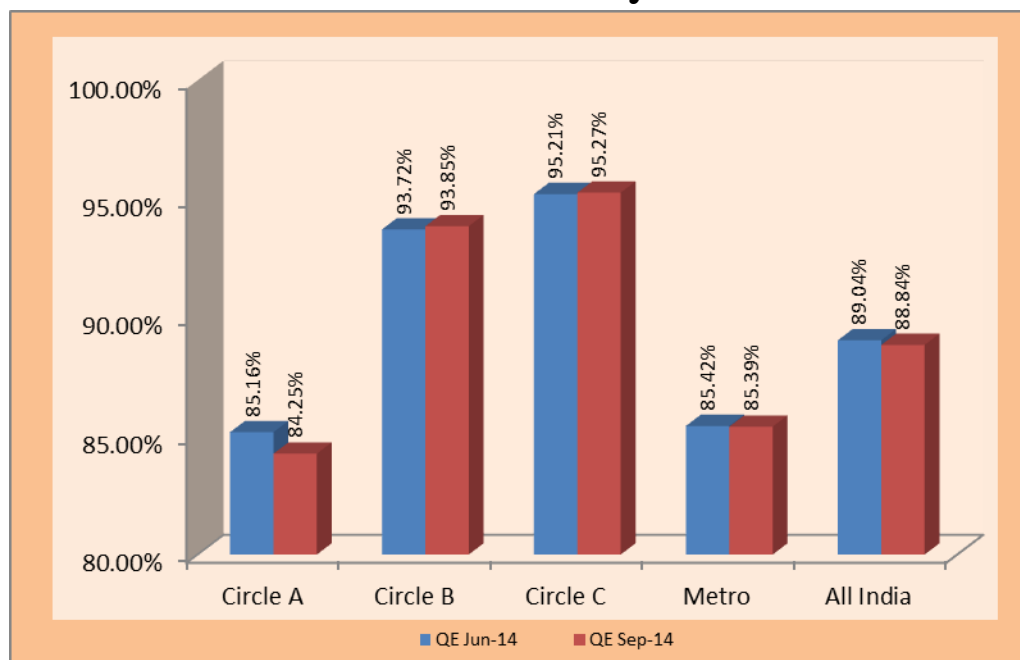
2.19 The following chart depicts % break-up of outgoing minutes from home service area (HSA).

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



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

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



2.21 Market share of Prepaid segment declined from 89.04% in QE Jun-14 to 88.84% in QE Sep-14.

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

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

Circle category	Postpaid	Prepaid	Blended ARPU
Circle A	487	77	140
Circle B	417	58	80
Circle C	426	57	74
Metro	513	63	129
All India	481	64	110

2.23 The All India blended Average Revenue Per User (ARPU) per month has shown a decrease of 1.13% from Rs.111.51 in QE Jun-14 to Rs.110.25 in QE Sep-14.

2.24 ARPU for Prepaid service decreased by 5.07% from Rs.67.57 in QE Jun-14 to Rs.64.15 in QE Sep-14. ARPU for Postpaid service increased by 1.25% from Rs.474.95 in QE Jun-14 to Rs.480.89 in QE Sep-14.

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

S. No.	Item	Revenue (excl. service tax) per subscriber per month (in Rs.)	% Share of total revenue from subscribers
1	Usage from Home Service Area		
1.1	Rental Revenue	22.85	18.77
1.2	Revenue from Calls	43.92	36.06
1.3	Revenue from SMS	1.92	1.57
1.4	Revenue from data usage	44.21	36.30
1.5	Revenue from other VAS	2.81	2.31
1.6	Other Revenue	3.63	2.98
2	Usage Outside Home Service Area		
2.1	Revenue from Out-roamers	2.44	2.00
3	Total Revenue from Subscribers (1+2)	121.79	100
4	Net inter-operator settlement charges receivable*	-11.54	
5	Net Revenue (ARPU) (3+4)	110.25	

* Includes Interconnect Usage Charges and roaming settlement charges

2.25 From the above table, it may be seen that the net inter-operator settlement charges payable (Rs.11.54) accounts for 9.45% of total revenue from subscribers.

2.26 The total MOUs per subscriber per month decreased by 5.59%, from 283 in QE Jun-14 to 267 in QE Sep-14. The outgoing MOUs decreased by 4.06% and incoming MOUs decreased by 7.23% during this quarter.

2.27 Prepaid and postpaid MOUs per subscriber per month decreased by 5.60% and 6.50% respectively in this quarter. No. of Outgoing SMS per subscriber per month has decreased by 3.21%, from 16.73 in Jun-14 to 16.19 QE Sep-14.

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

MOU per subscriber per month									
Circle category	Postpaid			Prepaid			Blended		
	Outgoing MOU	Incoming MOU	Total MOU	Outgoing MOU	Incoming MOU	Total MOU	Outgoing MOU	Incoming MOU	Total MOU
Circle A	255	120	376	121	120	241	142	120	262
Circle B	349	164	513	131	138	270	145	140	285
Circle C	434	311	745	104	148	253	120	156	276
Metro	257	119	376	121	105	226	141	107	247
All India	281	135	416	123	125	249	141	126	267

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

Table 2.13 : No. of Outgoing SMS per subscriber per month – CDMA Full Mobility Service

Circle category	No. of Outgoing SMS per subscriber month		
	Postpaid	Prepaid	Blended
Circle A	12	20	19
Circle B	12	15	15
Circle C	12	10	10
Metro	14	17	17
All India	13	17	16

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

Chart 2.9: Minutes of usage by out-roamers as a percentage of total minutes of usage

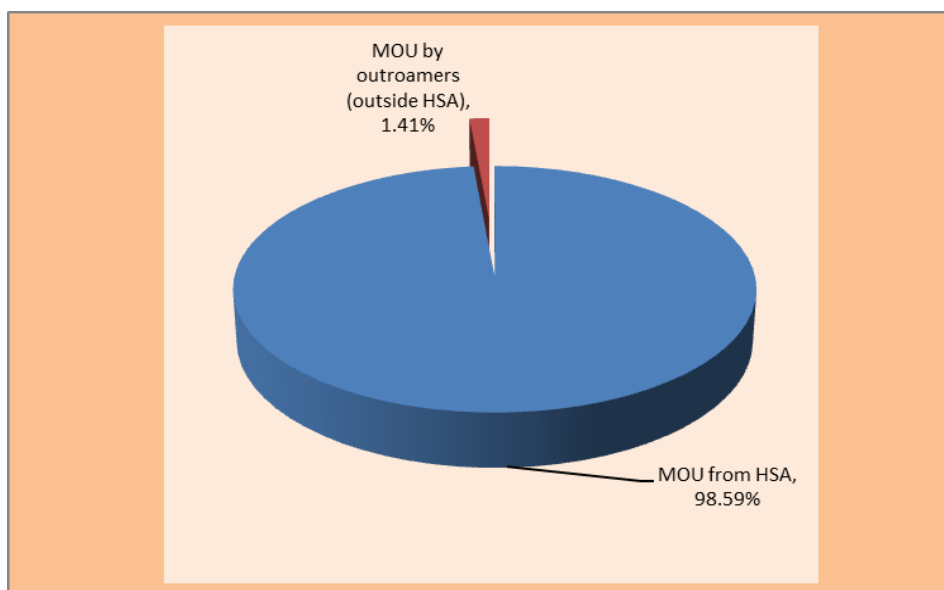


Table 2.14: %Break-up of Outgoing minutes from Home Service Area (HSA) - CDMA Full Mobility Service

Circle	Intra Circle To Wireline (%)	Intra Circle to Own Wireless (%)	Intra Circle to Other Wireless (%)	Inter Circle to Wireline (%)	Inter Circle to Own Wireless (%)	Inter Circle to Other Wireless (%)	ILD (%)
Circle A	1.99	30.06	55.52	0.70	2.50	8.72	0.50
Circle B	0.92	41.87	42.71	0.64	3.79	10.00	0.08
Circle C	1.84	41.83	28.06	1.65	5.12	21.46	0.05
Metro	1.97	28.19	35.35	0.68	5.30	28.27	0.25
All India	1.59	34.63	43.26	0.74	3.94	15.60	0.25

2.28 The chart given below presents the percentage of subscribers who availed roaming services (out-roamers) during the quarter.

Chart 2.10: Percentage of subscribers who availed roaming service during the quarter

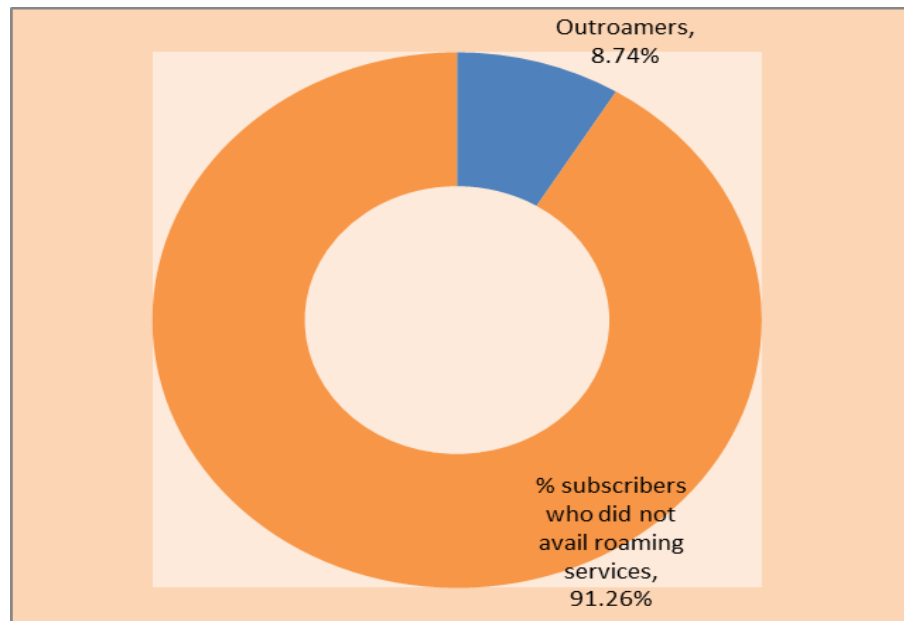


Chart 2.11: Percentage breakup of minutes of usage of Out-roamers (usage from outside the Home Service Area)

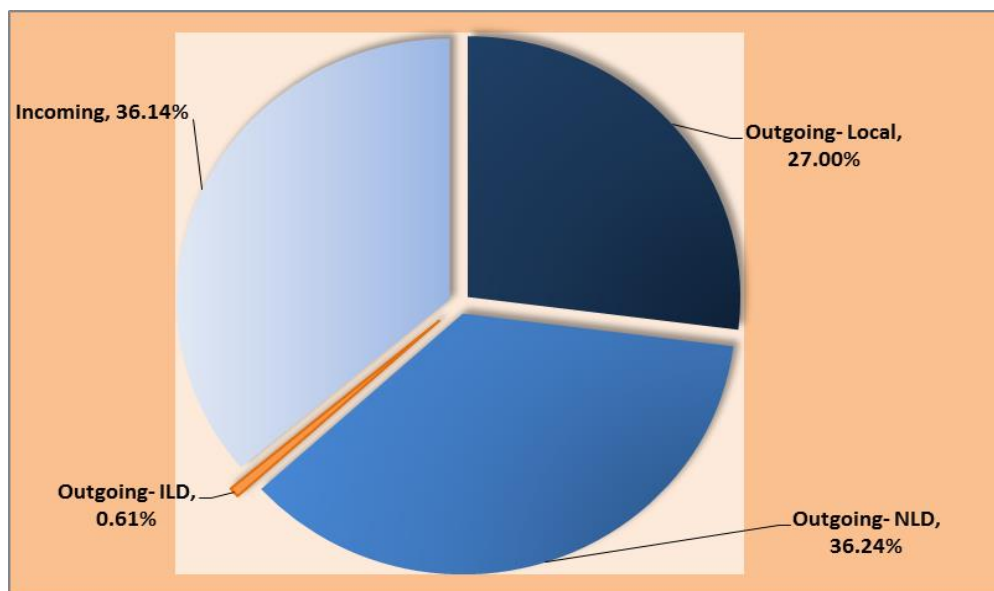


Table 2.15: Average subscriber outgo per outgoing minute from HSA - CDMA Full Mobility Service

Circle Category	[₹ Per min]		
	Postpaid	Prepaid	Blended
Circle A	0.82	0.39	0.51
Circle B	0.68	0.32	0.37
Circle C	0.84	0.46	0.53
Metros	0.83	0.44	0.55
All India	0.79	0.38	0.47

Average Subscriber Outgo per Outgoing Minute for usage from HSA =

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

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

Parameter	Sep-13	Dec-13	Mar-14	Jun-14	Sep-14
1. ARPU (₹ Per month)	98	104	105	112	110
2. MOU per subscriber per month	262	272	275	283	267
3. Outgoing MOU per subscriber per month					
3.1 Local (Intra-circle)	108	112	112	115	110
3.2 NLD (inter-circle)	26	26	28	28	28
3.3 ILD	0.24	0.25	0.28	0.31	0.34
4. Outgoing SMS per subscriber per month	17	17	17	17	16
5. Average subscriber Outgo per outgoing minute from HSA (₹)	0.48	0.48	0.47	0.48	0.47

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

Chapter 3 :

Financial Data of

Telecom Service

Sector

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

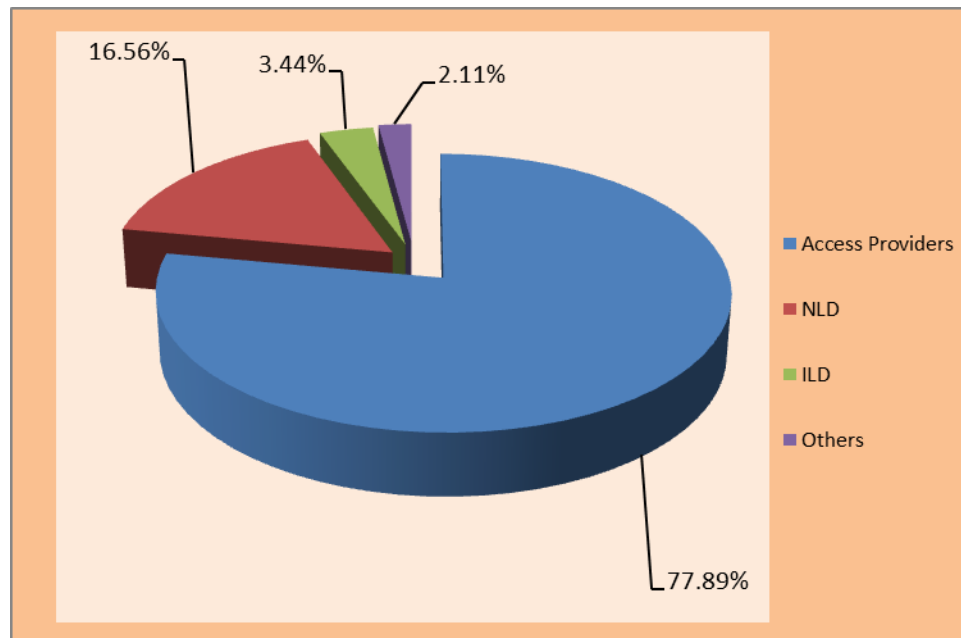
Particulars	QE Sep-13 (₹ in Crore)	QE Jun-14 (₹ in Crore)	QE Sep-14 (₹ in Crore)	Q-O-Q % Change Over Jun-14	Y-O-Y % Change over Sep-13
Gross Revenue (GR)	57453	62919	62447	-0.75	8.69
Adjusted Gross Revenue (AGR)	38811	43852	43229	-1.42	11.39
Pass Through (GR-AGR)	18642	19067	19217	0.79	3.24
License Fee	3105	3503	3459	-1.26	11.41
Spectrum Usage Charges	1477	1720	1683	-2.11	13.97

- 3.1 Gross Revenue(GR) and Adjusted Gross Revenue(AGR) decreased by 0.75% and 1.42% respectively in the QE Sep-14.
- 3.2 Pass through increased by 0.79% in the QE Sep-14, and on annual basis it has increased by 3.24%.
- 3.3 Pass-through charges as % Gross Revenue: 30.77% in QE Sep-14 as against 30.30% in the previous quarter.

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

Service	GR	AGR	LF	Spectrum Charges
Access Providers	46644	33669	2694	1680
NLD	9294	7159	573	-
ILD	3595	1489	119	-
Others	2914	912	73	3
Total	62447	43229	3459	1683

Chart 3.1: Composition of Adjusted Gross Revenue



3.4 Access services contributed 77.89% to the total Adjusted Gross Revenue (AGR) of telecom services. In Access services, Gross Revenue, Adjusted Gross Revenue (AGR), License Fee and Spectrum Usage Charges declined by 1.48%, 2.17%, 2.10% and 2.09% respectively, whereas Pass Through Charges increased by 0.35% in QE Sep-14.

3.5 Public Sector Undertakings' share in the Access AGR of telecom services is 11.49% in the QE Sep-14.

3.6 Monthly ARPU based on AGR for Access services declined from ₹122.39 for Q.E. Jun-14 to ₹118.20 for Q.E. Sep-14. Chart below shows the trend in ARPU.

Chart 3.2: Trend in ARPU per month for Access Services

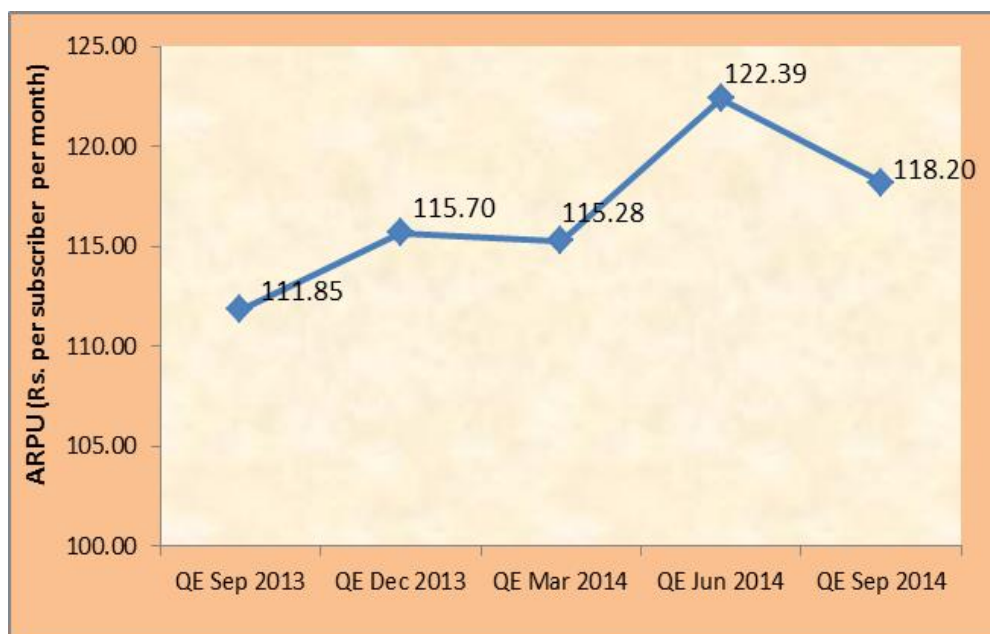


Table 3.3: Access Services - Service Provider wise Adjusted Gross Revenue

(₹ in Crore)

Service Providers	QE Sep-14	QE Jun-14	% Change
Bharti	9862.74	10075.00	-2.11
Vodafone	7260.54	7395.76	-1.83
Idea	5612.18	5599.15	0.23
BSNL	3218.01	3177.77	1.27
Tata	2365.58	2441.84	-3.12
Reliance	1787.42	2202.89	-18.86
Aircel	1845.76	1822.81	1.26
MTNL	652.17	654.55	-0.36
Telewings	676.32	654.18	3.39
Sistema Shyam	266.28	252.93	5.28
Loop	62.80	73.00	-13.97
Quadrant	25.27	25.25	0.08
Videocon	34.40	41.41	-16.93
Grand Total (Access)	33669.47	34416.53	-2.17

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

Category	Access AGR for QE Sep-14 (₹ in Crore)	%age share of AGR
Metro	5345.36	15.88
A	13012.30	38.65
B	11412.31	33.90
C	3899.50	11.58
Total	33669.47	100.00

Notes :

1. *Source: Figures are un-audited and as submitted by the Operators.*
2. *The figures have been regrouped wherever considered necessary for analysis purpose.*
3. *The Spectrum usage charges (mostly) are now reported on "Payment for the current Quarter" basis. However, some operators are reporting on payment basis or on estimate basis on projected AGR for next quarter.*
4. *Metro area includes Delhi, Mumbai and Kolkata only. Chennai is clubbed with Tamilnadu.*

Chapter 4 : Quality of Service (QoS)

Section A: Quality of Service Performance of Wireless Service Providers

Part-I : 2G Wireless Services

Table 4.1: QoS Summary - 2G Wireless Service

S. No.	Parameters	Benchmark	No. of CMTS Licensees not Meeting the Benchmarks			
			Quarter Ending, June, 2014		Quarter Ending, September, 2014	
			Out Of 183 (Nos.)	Out Of 183 (%)	Out Of 183 (Nos.)	Out Of 183 (%)
I.	Network Related Parameters					
1	Network Availability					
(i)	BTSS Accumulated downtime (not available for service)	≤ 2%	8	4.37%	9	4.92%
(ii)	Worst affected BTSS due to downtime	≤ 2%	13	7.10%	13	7.10%
2	Connection Establishment (Accessibility)					
(i)	Call Set-up Success Rate (within licensee's own network)	≥ 95%	4	2.19%	4	2.19%
(ii)	SDCCH/ Paging Chl. Congestion	≤ 1%	8	4.37%	7	3.83%
(iii)	TCH Congestion	≤ 2%	5	2.73%	7	3.83%
3	Connection Maintenance (Retain ability)					
(i)	Call Drop Rate	≤ 2%	6	3.28%	6	3.28%
(ii)	Worst affected cells having more than 3% TCH drop (call drop) rate	≤ 3%	24	13.11%	27	14.75%
(iii)	Connection with good voice quality	≥ 95%	9	4.92%	8	4.37%
4	Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark) (Averaged over a period of quarter)	≤ 0.5%	5	2.73%	3	1.64%

S. No.	Parameters	Benchmark	No. of CMTS Licensees not Meeting the Benchmarks			
			Quarter Ending, June, 2014		Quarter Ending, September, 2014	
			Out Of 183 (Nos.)	Out Of 183 (%)	Out Of 183 (Nos.)	Out Of 183 (%)
II.	Customer Service Quality Parameters					
5	Metering and Billing					
(i)	Metering and billing credibility - post paid	≤ 0.1%	6	3.28%	6	3.28%
(ii)	Metering and billing credibility - pre paid	≤ 0.1%	5	2.73%	3	1.64%
(iii)	Resolution of billing/charging/validity complaints	100% within 4 weeks	19	10.38%	10	5.46%
	Resolution of billing/charging/validity complaints	98% within 4 weeks	-	-	1	0.55%
	Resolution of billing/charging/validity complaints	100% within 6 weeks	-	-	6	3.28%
(iv)	Period of applying credit/waiver/ adjustment to customer's account from the date of resolution of complaints	within 1 week of resolution of complaint	21	11.48%	12	6.56%
6	Response time to the customer for assistance					
(i)	Accessibility of call centre/customer care	≥ 95%	12	6.56%	15	8.20%
(ii)	%age of calls answered by the operators (voice to voice) within 60 seconds	≥ 90%	70	38.25%	21	11.48%
	%age of calls answered by the operators (voice to voice) within 90 seconds	≥ 95%	-	-	47	25.68%
7	Termination / closure of service					
(i)	%age requests for Termination / Closure of service complied within 7 days	100% within 7 days	18	9.84%	13	7.10%
(ii)	Time taken for refund of deposits after closures	100% within 60 days	20	10.93%	20	10.93%

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

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

Parameter	Benchmark	Service Provider	Service Area	Performance
BTSs Accumulated downtime (not available for service) (%age)	≤ 2%	Aircel	ASM	9.52
			BH	5.69
			J&K	2.26
			NE	12.80
			WB	2.01
		BSNL	ASM	2.52
			BH	12.86
			NE	5.22
Worst affected BTSs due to downtime (%age)	≤ 2%	Aircel	ASM	43.90
			BH	30.68
			DLI	2.55
			J&K	16.00
			NE	63.11
			UPE	2.69
			WB	9.39
		BSNL	ASM	4.85
			BH	20.73
			KOL	10.09
			NE	18.66
			WB	17.75
		Vodafone	J&K	8.08
		Call Set-up Success Rate (within licensee's own network)	≥ 95%	Aircel
BH	92.98			
J&K	93.73			
BSNL	NE			94.98
SDCCH/ Paging Chl. Congestion (%age)	≤ 1%	Aircel	ASM	1.54
			BH	1.06
			J&K	6.77
			NE	3.44
			UPE	1.10
		BSNL	NE	3.94
		Vodafone	J&K	2.09
TCH Congestion (%age)	≤ 2%	Aircel	ASM	4.02
			BH	6.47
			J&K	5.55

Parameter	Benchmark	Service Provider	Service Area	Performance
		Aircel	NE	3.64
			WB	2.56
		BSNL	NE	4.67
		Vodafone	J&K	2.26
Call Drop Rate (%age)	≤ 2%	Aircel	ASM	2.03
			HR	3.20
			NE	2.67
		BSNL	ASM	2.45
			BH	3.31
			NE	4.53
Worst affected cells having more than 3% TCH drop (call drop) rate (%age)	≤ 3%	Aircel	AP	4.56
			ASM	20.10
			BH	12.66
			CHN	7.34
			DLI	9.24
			GUJ	3.26
			HP	13.58
			J&K	16.38
			KOL	4.50
			KTK	6.44
			MBI	6.15
			NE	27.92
			PB	4.51
			TN	5.63
			UPE	4.85
		UPW	5.72	
		WB	10.61	
		BSNL	ASM	5.56
			BH	10.80
			NE	15.40
			PB	21.76
			WB	8.26
		TATA GSM	MBI	3.11
			UPE	3.26
		Vodafone	BH	4.55
			MBI	3.78
			UPE	9.00

Parameter	Benchmark	Service Provider	Service Area	Performance
Connection with good voice quality	≥ 95%	Aircel	ASM	90.10
			BH	94.99
			J&K	92.91
		BSNL	NE	92.50
			NE	92.29
		Telewings	BH	93.34
			UPE	92.85
UPW	94.57			
Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark) (Averaged over a period of quarter)	≤ 0.5%	Aircel	J&K	1
		BSNL	HR	1
		Vodafone	J&K	2
Metering and billing credibility - post paid	≤ 0.1%	Idea	AP	0.19
			GUJ	0.11
			KR	0.13
		Vodafone	AP	0.18
			ASM	0.33
Metering and billing credibility - pre paid	≤ 0.1%	BSNL	NE	0.24
			KOL	1.03
			RJ	NR
Resolution of billing/charging complaints	100% within 4 weeks	BSNL	WB	0.24
			BH	49
			KOL	60.18
			NE	84.5
			HP	NR
			JK	NR
			PB	NR
			RJ	NR
			OR	1
			UPW	56.5
WB	71.50			
Resolution of billing/charging complaints	98% within 4 weeks	TATA CDMA	MP	93.75
Resolution of billing/charging complaints	100% within 6 weeks	TATA CDMA	KOL	98.57
			MBI	99.65
			MH	99.13
		TATA GSM	MBI	99.93
			MH	99.96
TN	99.76			

Parameter	Benchmark	Service Provider	Service Area	Performance
Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of complaints	within 1 week of resolution of complaint	Airtel	CHN	99.86
			DLI	99.92
		BSNL	BH	50.00
			CHN	3.00
			KOL	70.00
			NE	50.00
			HP	NR
			JK	NR
			PB	NR
			RJ	NR
			UPW	50.00
WB	50.00			
Accessibility of call centre/ customer care	≥ 95%	Airtel	BH	91.68
			J&K	93.12
			KTK	94.78
			OR	57.44
		Airtel	J&K	89.75
		BSNL	AP	82.00
			ASM	79.00
			BH	50.00
			KOL	63.00
			HP	NR
			JK	NR
			PB	NR
			KTK	94.00
NE	84.00			
MTNL GSM	MBI	IVR not working		
Percentage of calls answered by the operators (voice to voice) within 60 seconds	≥ 90%	Airtel	AP	84.24
			KTK	86.74
			MBI	84.85
			MH	70.32
			RAJ	81.70
		BSNL	AP	52.00
			ASM	85.89
			BH	46.50
			HR	13.50
			KOL	74.34

Parameter	Benchmark	Service Provider	Service Area	Performance
Percentage of calls answered by the operators (voice to voice) within 60 seconds	≥ 90%	BSNL	KR	83.00
			KTK	48.16
			HP	NR
			JK	NR
			PB	NR
			RJ	NR
			MH	77.34
			NE	87.00
			UPE	85.29
			UPW	60.00
			WB	83.15
Percentage of calls answered by the operators (voice to voice) within 90 seconds	≥ 95%	Airtel	J&K	81.00
		MTS	KTK	29.78
		RCOM CDMA	AP	69.77
			BH	90.46
			CHN	75.47
			GUJ	65.90
			HP	92.70
			KR	89.29
		RCOM CDMA	KTK	90.57
			MBI	83.07
			MH	85.95
			OR	90.14
		RCOM GSM	AP	63.62
			CHN	53.97
			DLI	94.45
			GUJ	62.15
			KR	78.02
			KTK	74.25
			MBI	86.18
			MH	88.44
		PB	93.28	
		RTL	ASM	94.12
			MP	90.44
OR	93.68			
TATA CDMA	GUJ	92.77		
	KOL	90.50		
	KTK	93.07		

Parameter	Benchmark	Service Provider	Service Area	Performance
Percentage of calls answered by the operators (voice to voice) within 90 seconds	≥ 95%	TATA CDMA	MBI	93.12
			MP	90.85
			PB	94.56
			RAJ	94.20
		TATA GSM	AP	73.95
			GUJ	88.97
			HR	94.00
			KOL	72.23
			KR	89.80
			KTK	83.22
			MP	94.35
			OR	86.37
			PB	90.53
			RAJ	94.31
			TN	94.55
		UPW	91.95	
WB	89.77			
Telewings	GUJ	92.91		
Vodafone	KTK	81.36		
	MBI	90.71		
%age requests for Termination / Closure of service complied within 7 days	100% within 7 days	Aircel	ASM	98.45
			DLI	99.74
			J&K	99.42
			KTK	99.76
			MBI	99.83
			NE	99.54
			TN	99.89
		Airtel	TN	99.96
		BSNL	WB	98.82
		Idea	AP	99.99
			KOL	98.84
		Vodafone	WB	99.35
DLI	96.99			
Time taken for refund of deposits after closures	100% within 60 days	Aircel	NE	98.95
		BSNL	ASM	50.00
			NE	80.00
			OR	60.00
		Idea	DLI	96.37

Parameter	Benchmark	Service Provider	Service Area	Performance
Time taken for refund of deposits after closures	100% within 60 days	TATA CDMA	AP	99.90
			DLI	99.90
			HR	99.90
			KTK	99.50
			MBI	99.40
			MH	99.80
			TN	98.30
			UPW	99.80
		TATA GSM	AP	99.90
			GUJ	99.90
			HR	99.60
			KTK	99.50
			MBI	98.40
			TN	99.70
UPE	99.80			

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

Part-II : 3G Wireless Services

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

Table 4.3: QoS Summary - 3G Wireless Service

S. No	Parameters		Bench mark	No. of CMTS Licensees not Meeting the Benchmarks			
				Q.E. Jun-14		Q.E. Sep-14	
				Out Of 94 (Nos.)	Out of 94 (in %)	Out Of 94 (Nos.)	Out of 94 (in %)
1	Network Availability	Node-B's Accumulated downtime (not available for service) (%age)	≤ 2%	4	4.26%	6	6.38%
		Worst affected Node-B's due to downtime (%age)	≤ 2%	8	8.51%	11	11.70%
2	Connection Establishment (Accessibility)	Call Set-up Success Rate (within licensee's own network)	≥ 95%	2	2.13%	2	2.13%
		SDCCH/Paging Channel and RRC Congestion (%age)	≤ 1%	3	3.19%	3	3.19%
		TCH and Circuit Switched RAB Congestion (%age)	≤ 2%	1	1.06%	1	1.06%
3	Connection Maintenance (Retainability)	Call Drop and Circuit Switched Voice Drop Rate: (%age)	≤ 2%	0	0	0	0
		Worst affected cells having more than 3% TCH drop (call drop) and Circuit Switched Voice Drop Rate:-CBBH	≤ 3%	13	13.83%	15	15.96%
		Connections with good voice quality and Circuit Switch Voice Quality (CSV quality)	≥ 95%	1	1.06%	1	1.06%
4	Point of Interconnection	Point of Interconnection (POI) Congestion	≤ 0.5%	4	4.26%	3	3.19%

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

- a. Point of Interconnection (POI) Congestion

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

- a. Node-B's Accumulated downtime (not available for service) (%age)
- b. Worst affected Node-B's due to downtime (%age)
- c. Worst affected cells having more than 3% TCH drop (call drop) and Circuit Switched Voice Drop Rate:-CBBH

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

Parameter	Benchmark	Service Provider	Service Area	Performance
Node-B's Accumulated downtime (not available for service) (%age)	≤ 2%	Aircel	ASM	5.05
			BH	2.09
			J&K	2.43
			NE	16.94
		BSNL	BH	7.33
			NE	3.55
Worst affected Node-B's due to downtime (%age)	≤ 2%	Aircel	ASM	31.07
			BH	11.90
			CHN	3.02
			J&K	17.31
			NE	66.40
			OR	4.73
			WB	8.86
Call Set-up Success Rate (within licensee's own network)	≥ 95%	BSNL	BH	31.08
			NE	13.52
			WB	13.40
		Vodafone	UPE	2.07

Parameter	Benchmark	Service Provider	Service Area	Performance
Call Set-up Success Rate (within licensee's own network)	≥ 95%	BSNL	NE	93.50
			WB	92.73
SDCCH/Paging Channel and RRC Congestion (%age)	≤ 1%	Aircel	J&K	1.10
		BSNL	NE	3.88
		Tata	MH	1.95
TCH and Circuit Switched RAB Congestion (%age)	≤ 2%	BSNL	NE	2.90
Worst affected cells having more than 3% TCH drop (call drop) and Circuit Switched Voice Drop Rate:- CBBH	≤ 3%	Aircel	AP	6.14
			ASM	13.77
			BH	13.95
			CHN	7.60
			J&K	14.77
			KTK	8.63
			NE	17.60
			OR	16.32
			PB	11.65
			TN	7.31
		UPE	7.19	
		BSNL	WB	5.41
			BH	11.98
NE	6.25			
WB	3.80			
Connections with good voice quality and Circuit Switch Voice Quality (CSV quality)	≥ 95%	BSNL	WB	80.00
Point of Interconnection (POI) Congestion	≤ 0.5%	Aircel	J&K	1
		BSNL	HR	1
		Vodafone	UPE	2

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

Section B: Quality of Service Performance of Wireline Service Providers

Table 4.5: QoS Summary - Wireline Service

S. No.	Parameters	Bench- mark Sep., 2014	Bench- mark June, 2014	No. of license areas where operators not meeting the benchmarks			
				June, 2014		Sep., 2014	
				Out of 103 In Nos.	Out of 103 In %age	Out of 102 In Nos.	Out of 102 In %age
(i)	Fault incidences per 100 subs/month	≤ 7	≤ 5	1	1%	1	1%
(ii) a	% Fault repaired by next working day for urban areas	≥ 85%	≥ 90%	1	1%	3	3%
(ii) b	% Fault repaired within 3 days <i>(for urban areas)</i>	-	≥100%	2	2%	-	-
(ii) c	% Fault repaired within 5 days <i>(for urban areas)</i>	≥100%	-	-	-	2	2%
(ii) d	% Fault repaired by next working day <i>(for rural & hilly areas)</i>	≥ 75%	-	-	-	0	0%
(ii) e	% Fault repaired within 5 days <i>(for rural & hilly areas)</i>	-	≥100%	0	0.00%	-	-
(ii) f	% Fault repaired within 7 days <i>(for rural & hilly areas)</i>	≥100%	-	-	-	0	0%
(iii)	MTTR	≤10Hs	<8Hrs	0	0.00%	5	5%
(iv)	Point of Interconnection (POI) Congestion (No. of PoIs not meeting benchmark)	≤ 0.5%	≤ 0.5%	3	3%	3	3%
(v)	Metering & billing credibility – Post-paid	≤ 0.1%	≤ 0.1%	0	0.00%	1	1%
(vi)	Metering & billing credibility – Pre-paid	≤ 0.1%	≤ 0.1%	0	0.00%	0	0%
(vii) (a)	Resolution of billing/charging/Credit & validity complaints	98% within 4 weeks	100% within 4 weeks	0	0.00%	1	1%
(vii) (b)	Resolution of billing/charging/Credit & validity complaints	100% within 6 weeks	-	-	-	0	0%

S. No.	Parameters	Bench- mark Sep., 2014	Bench- mark June, 2014	No. of license areas where operators not meeting the benchmarks			
				June, 2014		Sep., 2014	
				Out of 103 In Nos.	Out of 103 In %age	Out of 102 In Nos.	Out of 102 In %age
(viii)	Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of complaints	Within 1 week of resolution of complaint	Within 1 week of resolution of complaint	0	0.00%	0	0%
(ix)	Response time to the customer for assistance		-	-	-	-	-
(ix) a	Accessibility of call centre/ customer care	≥ 95%	≥ 95%	18	17%	2	2%
(ix) b	%age of calls answered by the operators (voice to voice) within 60 seconds	-	≥ 90%	30	29%	-	-
(ix) c	%age of calls answered by the operators (voice to voice) within 90 seconds	≥ 95%	-	-	-	32	31%
(x)	Termination / closure of service	100% within 7 days	100% within 7 days	1	1%	1	1%
(xi)	Time taken for refund of deposits after closures	100% within 60 days	100% within 60 days	0	0.00%	0	0%

NOTE :

(2) Most of the SPs have not reported for the parameter "Metering and billing credibility - prepaid" because most of the service providers are not providing pre-paid service in Basic(Wireline) service.

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

a. Accessibility of Call Centre/Customer Care

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

- a. % Fault repaired by next working day
- b. Mean time to repair (MTTR)
- c. Resolution of billing/charging/credit & validity complaints
- d. % of calls answered by the operators(voice to voice) within 90 sec
- e. Metering and billing credibility - post paid

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

Parameters	Benchmark	Service Providers	Service Areas	Parameters not met
Fault incidences per 100 subs/month	≤ 7	MTNL	DEL	8.48
% Fault repaired by next working day for urban areas	$\geq 85\%$	MTNL	DEL	83.68%
		TATA TELE-SERVICES LTD.	HR	78%
			KER	60%
% Fault repaired within 5 days (for urban areas)	$\geq 100\%$	MTNL	DEL	97.49%
			MUM	99.66%
Mean Time to Repair (MTTR)	$\leq 10\text{Hs}$	TATA TELESERVICES LTD.	HR	16
			KER	26
			KTK	16
			MUM	22
			PB	90
Point of Interconnection (POI) Congestion (No. of PoIs not meeting benchmark)	$\leq 0.5\%$	BSNL	BH	2
			KER	1
			UPW	2
Metering and billing creditability - Post Paid	$\leq 0.1\%$	TATA TELE-SERVICES LTD.	MP	0.12%
Resolution of billing/charging/Credit & validity complaints	98% within 4 weeks	TATA TELE-SERVICES LTD.	MH	97%
Response time to the customer for assistance - Accessibility of call centre/customer care	$\geq 95\%$	BSNL	MH	94.96%
		BHARTI AIRTEL LTD.	PB	88.91%
Response time to the customer for assistance - Accessibility of call centre/customer care	$\geq 95\%$	BSNL	MH	94.96%
		BHARTI AIRTEL LTD.	PB	88.91%

Parameters	Benchmark	Service Providers	Service Areas	Parameters not met
Response time to the customer for assistance -%age of calls answered by the operators (voice to voice) within 90 seconds	≥ 95%	BSNL	ASM	93.33%
			BH	44%
			CHHATIS	79%
			CN	94.33%
			GUJ	87.33%
			HP	93.33%
			JHAR	77.67%
			KOL	91.33%
			KTK	76.67%
			NE-I	92.33%
			NE-II	90.33%
			OR	93.93%
			PB	64%
			RAJ	22%
			TN	93%
			UPE	7%
			UPW	85.67%
			UTTRACHAL	82.67%
		WB	94.67%	
		Response time to the customer for assistance %age of calls answered by the operators (voice to voice) within 90 seconds	≥ 95%	TATA TELESERVICES LTD.
BH	62%			
DEL	93%			
GUJ	94%			
HR	90%			
KOL	75%			
KTK	89%			
MH	66%			
Response time to the customer for assistance %age of calls answered by the operators (voice to voice) within 90 seconds	≥ 95%	TATA TELESERVICES LTD.	MP	88%
			MUM	74%
			PB	85%
			TN	93%
			UPE	50%
Termination/closure of service-%age requests for Termination /Closure of service complied within 7 days	100% within 7 days	MTNL	MUM	99.65%

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

Section C : Quality of Service Performance of Broadband Service

4.11 There are 123 Service Providers (SPs) providing broadband service at the end of September, 2014. Out of these SPs, 35 Service Providers are having broadband subscriber base >10,000 and market share of these 35 SPs is 99.00% of total subscriber base. This report covers performance of top 35 broadband Service Providers vis-à-vis the QoS benchmarks prescribed by TRAI, for the QE September, 2014.

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

S.No.	Parameter	Benchmark	No. of Licensees not meeting the Benchmarks			
			Q.E. Jun-2014		Q.E. Sept-2014	
			Out of 85 (in Nos.)	Out of 85 (in %age)	Out of 69 (in Nos.)	Out of 69 (in %age)
1	Service Provisioning	100% in =<15 working days				
1.2	%age of connections provided within 15 days of registration of demand	100%	4	4.71%	7	10.14%
2	Faults Repair					
2.2	% of faults repaired by next working day (>90%)	>90%	7	8.24%	6	8.70%
2.3	% of faults repaired within 3 working day	=>99%	14	16.47%	8	11.59%
2.4	No. of customers to whom rent rebate is given in minimum monthly charges or equivalent usage allowance for delay in fault repair.	In nos.	0	0.00%	0	0.00%
3	Billing Performance					
3.3	%age of bills disputed	<2%	1	1.18%	0	0.00%
3.4	%age of billing complaints resolved within 4 weeks	100% within 4 weeks	0	0.00%	2	2.90%
3.5	%age of cases to whom refund of deposits is made within 60 days of closures	100% within 60 weeks	0	0.00%	0	0.00%

S.No.	Parameter	Benchmark	No. of Licensees not meeting the Benchmarks			
			Q.E. Jun-2014		Q.E. Sept-2014	
			Out of 85 (in Nos.)	Out of 85 (in %age)	Out of 69 (in Nos.)	Out of 69 (in %age)
4	Response Time to the Customer for assistance					
4.2	%age of calls answered by operator (Voice to voice) within 60 sec	>60%	2	2.35%	0	0.00%
4.3	%age of calls answered by operator (Voice to voice) within 90 sec	>80%	25	29.41%	5	7.25%
5	Bandwidth utilization/ throughput			0.00%		0.00%
5.2	No. of Intra network links having Bandwidth utilization >90% during peak hours (TCBH)		0	0.00%	0	0.00%
5.4	No. of Upstream links for International connectivity having bandwidth utilization >90% during peak hours (TCBH)		0	0.00%	0	0.00%
5.7	% International bandwidth utilization during peak hours (TCBH) (Enclose MRTG) <90%		0	0.00%	1	1.45%
5.8	Broadband Connection Speed available (download) from ISP node to user	>80%	0	0.00%	0	0.00%
6	Service availability /uptime (for all users) in %age					
6.3	Service availability /uptime (for all users) in %age	>98%	2	2.35%	0	0.00%
7	Packet loss (for wired broadband access) in %age	<1%	0	0.00%	0	0.00%
8	Network latency (for wired broadband access)					
8.1	User reference point at POP/ISP Gateway node to IGSP/NIXI	<120 ms	0	0.00%	0	0.00%
8.2	User reference point at ISP Gateway node to International nearest NAP port abroad (terrestrial)	<350 ms	0	0.00%	0	0.00%
8.3	User reference point at ISP Gateway node to International nearest NAP port abroad (satellite)	<800 ms	1	1.18%	0	0.00%

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

Sl.No.	Parameters	Benchmark	Name of the Service Provider not meeting the Benchmark
1	Service Provisioning/ Activation Time	100% in =< 15 working days	
1.2	%age of connections provided within 15 days of registration of demand	100%	MTNL - Delhi & Mumbai (99.07%) You Broadband - All India (96.00%) Hathway Cable - Karnataka (98.00%) Maharashtra (97.00%) Atria Convergence - All India (94.90%) DEN Network - All India (98.55%) Nextra - Delhi (98.00%)
2	Faults Repair/Restoration Time		
2.2	% of faults repaired by next working day	>90%	MTNL - Delhi & Mumbai (82.86%), Beam Telecom - Hyderabad (84.33%), Hathway - Karnataka (88.00%), Atria - All India (72.00%), Tata (TTML) - Maharashtra & Goa(66.00%) Wish Net - Kolkata (88.99%)
2.3	% of faults repaired within 3 working day	=>99%	MTNL -Delhi & Mumbai (93.55%), Beam Telecom - Hyderabad (98.77%), Hathway Cable - Karnataka (97.00%), Atria Convergence - All India (92.00%), Tata (TTML) - Maharashtra & Goa(94.00%) Tata (TCL) - All India (97.00%) Tata (TTSL) - All India (97.00%) DEN Networks - All India (98.22%)
3	Billing Performance		
3.3	%age of billing complaints resolved within 4 weeks	100%	Tata (TTML) - Maharashtra & Goa(98.00%) Tata (TTSL) - All India (99.00%)
4	Response Time to the Customer for assistance		
4.3	%age of calls answered by operator (Voice to voice) within 90 sec	>80%	BSNL - All India (72.20%) Hathways - Andhra Pradesh (75.00%), Maharashtra (78.00%) Atria - All India (76.00%) Tata (TTSL) - All India (73.99%)
5	Bandwidth utilization/ throughput		
	% International bandwidth utilization during peak hours (TCBH) (Enclose MRTG) <90%	<90%	Nextra - Delhi (96.00%)

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

Chapter 5 :

Performance of Cable TV, DTH and Radio Broadcasting Services

Table 5.1: Key Parameters - Broadcasting & Cable Services

S.No	Parameter	QE Jun-14	QE Sep-14
1	Number of private satellite TV channels registered with Ministry of I&B	797	813
2	Maximum number of Pay TV Channels carried by certain cable operator in non-CAS areas	184	194
3	Maximum number of Free-to-Air (FTA) TV Channels carried by certain cable operator in non-CAS areas	186	185
4	Private FM Radio stations in operation	243	243
5	Private DTH Operators	6	6
6	Licensees of community radio stations	200	205
7	Operational community radio station	170	171

Cable TV Services

(A) Analog Cable TV Services in Non CAS areas

- 5.1 In Non CAS areas, maximum number of TV channels being carried by any reporting MSO is 400, whereas in conventional analogue form, the maximum number of channels being carried by any reporting MSO is 100.
- 5.2 The maximum number of Free-to-Air (FTA), Pay Channels & Local Channels reportedly being carried by any of the reporting MSO in their cable networks in Non CAS areas are 185, 194 and 21 respectively in the quarter ending September, 2014. However, these numbers relate to different networks and hence cannot be added for arriving at the maximum number of channels being carried in any network.

(B) Digital Addressable Cable TV Systems (DAS areas)

5.3 The digitization, with addressability, of cable TV sector is in progress, in a phase manner. It is planned to be completed in four phases. The cut-off date for migration to Digital Addressable Cable TV Systems for the first phase, covering four metropolitan cities, was 31.10.2012 and second phase, covering 38 cities having population more than one million, was 30.03.2013. The cut-off date for third phase was 30.09.2014 and final phase was 31.12.2014. However, the cut-off date for third phase & fourth phase is further extended up to 31.12.2015 and 31.12.2016 respectively.

5.4 There are total 112 Multi System Operators (MSOs) as on 27.08.2014, who have been granted Permanent Registration (for 10 years) by Ministry of I&B, for providing Cable TV Services through Digital Addressable Systems. A list of 112 MSOs along with permitted area of operation is available at Annexure-5.1

Satellite TV Channels

5.5 The total number of permitted private satellite TV channels by Ministry of Information and Broadcasting (MIB), as obtained from the website of MIB, is 813 at the quarter ending Sep-14.

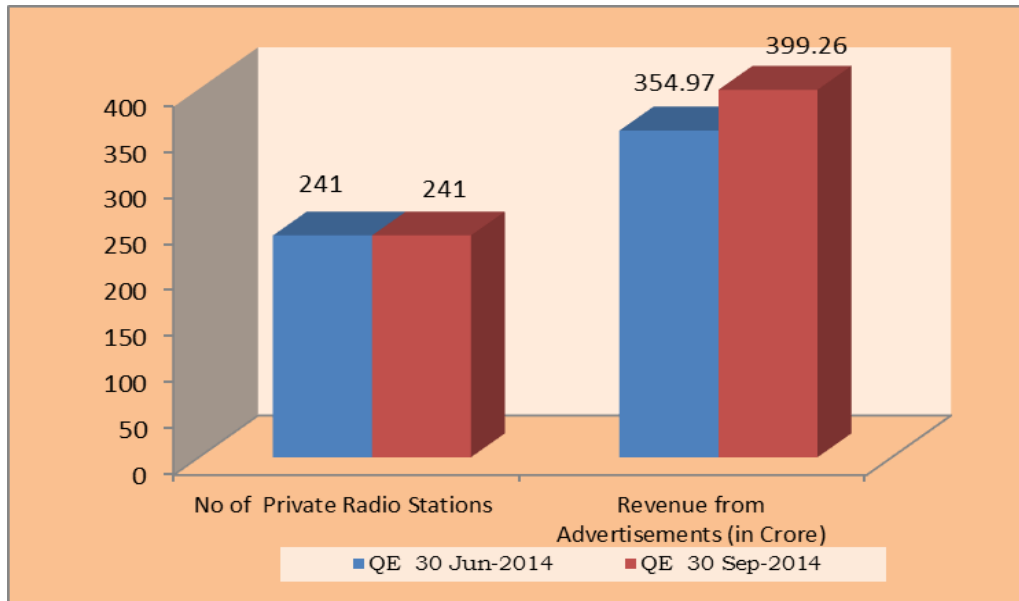
5.6 There are a total of 187 pay channels, as reported by broadcasters for which the wholesale channels rates have been taken on record. During the quarter ending Sep-14, the rate of “Raj Musix Cannada” channel was taken on records. The list of 187 pay TV channels along with the reported wholesale channel rates for Non-CAS areas is at Annexure-5.2.

FM Radio Services

5.7 Apart from All India Radio of Prasar Bharti – a public broadcaster, there are 243 private FM Radio stations in operation at the quarter ending Sep-14. A list of 243 private FM Radio Service stations along with their date of operationalization is at Annexure-5.3. This list is as per the information received from MIB.

5.8 The total Advertisement Revenue during the quarter ending Jun-14 in respect of 241 private FM Radio stations was Rs.354.97 crore. For the quarter ending Sep-14, the total Advertisement Revenue in respect of 241 private radio stations is Rs.399.26 crore. The reports have been prepared on the basis of the details of Advertisement Revenue submitted by the FM Radio service providers to TRAI. However, the details do not pertain to the same set of service providers / radio stations.

Chart 5.1 : Comparative position of Revenue from FM Radio Stations as reported to TRAI



Note: The total Advertisement Revenue for the quarter ending June, 2014, shown as Rs 435.52 crore has been changed to Rs 354.97 crore as M/s Udaya FM Private Limited has updated its reported Advertisement Revenue for the quarter ending June, 2014 from Crore to Lakh.

DTH Services

5.9 At present, apart from free DTH service of Doordarshan of Prasar Bharati – a public broadcaster, there are 6 private DTH Operators. All the 6 private DTH Operators are offering pay DTH services. Total number of registered and active subscribers, as reported to TRAI, being served by these 6 private DTH operators, as on 30.09.2014, are 70.33 million & 39.13 million respectively. The list of pay DTH Operators is available at Annexure-5.4.

Community Radio

5.10 As per data received from the Ministry of I&B, as on 30th September, 2014, out of 205 licenses issues so far, 171 CRS stations are in operation. The status of applications for community radio station licenses as received from the Ministry of Information and Broadcasting up to the end of September, 2014 is as per Table 5.2.

Table 5.2 : Number of Applications received / Letters of Intent issued /Licenses Issued in respect of Community Radio Stations

	As on 30.09.2014
Total No. of Applications Received	1571
No of Letters of Intent Issued	489
No of Applications rejected	650
No of Licenses issued	205
No of stations operational	171

Source: Ministry of Information & Broadcasting (MIB)

Teleport Service

5.11 As per the information available on the website of the Ministry of Information and Broadcasting, there are 90 numbers of permitted Teleports as on 20.03.2013. A list of the permitted Teleports is at Annexure-5.5.

Annexures

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

Sl. No	Service Provider	Area for which licensed with No.	UASL/UL(AS)	CMTS
1	Bharti	All India (22)	All India except NE	North East
2	Aircel Group	All India (23)	All India except Chennai & TN	Chennai & Tamil Nadu
3	Reliance Communications Ltd	All India (except Assam & NE) (20)	All	
4	Reliance Telecom Ltd	Kolkata, MP, WB, HP, Bihar, OR, Assam & NE (8)	All	
5	Vodafone	All India (23)	All	
6	Tata Teleservices	All India except Assam, NE & J&K (19)	All	
7	IDEA	All India (22)	Mumbai, TN incl. Chennai, Kol, WB, Bihar, OR, Assam, NE, Punjab, KTK & J&K	Delhi, MH, Guj, AP, Kerala, Haryana, UP-W, UP-E, Raj, MP, HP
8	Shyam Telelink	Delhi, Kol, Guj, KTK, TN incl. Chennai, Kerala, UP-W, Raj, WB (9)	All	
9	BSNL	All India (except Delhi & Mumbai) 20		All
10	MTNL	Delhi, Mumbai (2)		All
11	Loop Telecom Private Ltd	Mumbai (1)		Mumbai
12	Telewings Communication Pvt Ltd	MH, Guj, AP, UP-W, UP-E, Bihar (6)	All	
13	Videocon Telecommunications Ltd.	Guj, Har, UP-W, UP-E, MP, Bihar (6)	All	
14	Reliance Jio Infocomm Ltd	All India (21)	All	
15	Quadrant	Punjab (1)	Punjab	

Source: DoT and Service providers

Annexure 1.2: Wireless Subscriber Base

Service Area	Vodafone (GSM)		Bharti (GSM)		Idea (GSM)		Aircel/Dishnet (GSM)		Reliance (GSM)		Reliance (CDMA)	
	Jun-14	Sep-14	Jun-14	Sep-14	Jun-14	Sep-14	Jun-14	Sep-14	Jun-14	Sep-14	Jun-14	Sep-14
Andhra Pradesh	6,268,583	6,623,389	20,307,671	20,584,804	12,484,011	13,077,270	2,077,121	2,204,855	2,954,221	2,937,423	2,039,541	1,937,653
Assam	2,907,768	2,944,656	4,668,494	4,765,883	624,222	666,458	3,858,881	4,003,311	2,197,040	2,227,943		
Bihar	7,649,524	7,697,096	22,587,743	22,658,278	6,982,762	7,090,620	5,336,519	5,442,632	6,681,428	7,003,683	2,559,488	2,579,651
Delhi	9,112,237	9,338,371	10,433,741	10,774,507	5,526,170	5,796,383	4,140,021	4,511,028	4,844,721	5,078,335	2,975,760	2,962,494
Gujarat	17,472,490	18,041,356	7,421,271	7,498,409	9,664,498	10,133,624	22,063	18,563	4,759,552	4,903,228	1,289,809	1,255,889
Haryana	4,966,708	4,965,825	2,427,997	2,421,066	4,228,001	4,252,950	4,092	3,592	1,499,277	1,548,514	402,713	406,073
Himachal Pradesh	567,694	598,035	2,270,981	2,335,669	592,136	634,636	830,600	876,478	1,277,633	1,269,337	178,247	172,659
Jammu & Kashmir	838,072	890,099	2,772,593	2,800,232	398,847	423,722	2,204,302	2,284,190	750,856	734,762	27	21
Karnataka	7,275,039	7,524,081	17,475,084	17,777,929	6,907,472	7,348,259	2,682,547	2,807,110	3,909,797	3,881,819	1,325,253	1,324,939
Kerala	6,759,648	6,897,766	3,773,396	3,818,401	8,978,257	9,264,596	918	918	857,836	867,463	969,275	884,625
Madhya Pradesh	4,848,870	5,048,878	10,802,943	10,951,800	18,154,386	18,267,158	22,694	22,694	9,449,536	9,883,928	2,173,859	2,083,922
Maharashtra	15,721,486	16,343,514	10,587,225	10,533,521	19,317,864	20,168,615	1,582,452	1,694,890	5,074,338	5,182,313	1,797,732	1,805,482
Mumbai	7,652,973	7,865,981	4,503,271	4,650,945	3,455,898	3,606,124	2,154,545	2,213,482	3,014,188	3,080,845	2,952,918	2,950,578
North East	1,197,676	1,229,623	3,172,049	3,191,007	360,806	390,278	2,425,958	2,532,562	842,966	851,971		
Orissa	3,508,360	3,561,326	8,149,567	8,317,844	1,132,852	1,206,630	3,750,790	3,855,679	3,278,290	3,388,701	298,830	303,522
Punjab	4,705,952	4,769,649	7,554,552	7,596,318	5,908,878	5,970,601	957,827	991,039	2,397,191	2,590,314	318,026	320,439
Rajasthan	10,331,785	10,362,725	16,185,331	16,388,986	6,185,052	6,268,311	4,933,132	5,252,634	4,918,324	4,974,938	956,292	963,772
Tamil Nadu (incl. Chennai)	13,333,533	13,679,203	14,825,189	15,052,717	2,997,295	3,432,626	23,128,580	23,443,748	3,815,621	3,943,366	1,880,685	1,850,471
UP(E)	16,468,149	16,430,059	17,515,960	17,331,023	8,382,457	8,271,049	5,513,118	5,745,174	5,164,522	5,215,101	2,597,776	2,502,007
UP(W)	10,001,288	10,218,371	7,097,427	7,081,358	11,964,658	12,130,607	109,150	120,935	3,983,864	3,894,672	1,335,215	1,259,450
Kolkata	4,774,516	4,751,505	3,917,471	4,005,840	1,379,890	1,532,614	3,252,443	3,470,458	2,699,436	2,673,752	1,081,968	1,073,771
West Bengal	13,535,248	14,065,785	10,799,306	11,014,779	3,384,540	3,627,060	4,083,779	4,354,677	6,470,271	6,482,574	875,424	871,624
Total	169,897,599	173,847,293	209,249,262	211,551,316	139,010,952	143,560,191	73,071,532	75,850,649	80,840,908	82,614,982	28,008,838	27,509,042

Annexure 1.2 (contd.)

Service Area	Tata (GSM)		Tata (CDMA)		BSNL (GSM)		BSNL (CDMA)		MTNL (GSM)		MTNL (CDMA)	
	Jun-14	Sep-14	Jun-14	Sep-14	Jun-14	Sep-14	Jun-14	Sep-14	Jun-14	Sep-14	Jun-14	Sep-14
Andhra Pradesh	4,632,572	4,706,743	1,541,490	1,482,821	9,860,488	9,885,542	68,240	60,686				
Assam					1,213,493	1,202,528	96,301	96,421				
Bihar	1,804,029	1,714,878	823,778	752,258	2,963,391	2,847,838	205,474	205,832				
Delhi			2,882,399	2,558,902					2,282,795	2,293,645	22,997	22,991
Gujarat	2,535,016	2,720,119	475,651	454,870	3,164,587	3,117,161	90,226	84,682				
Haryana	1,937,173	2,073,025	624,098	578,077	3,176,714	3,195,453	14,999	14,049				
Himachal Pradesh	58,832	55,498	62,612	57,459	1,385,966	1,398,839	48,634	44,868				
Jammu & Kashmir					1,229,625	1,206,310	60,918	59,817				
Karnataka	5,489,757	5,975,659	587,815	578,065	6,930,808	6,659,058	130,739	123,062				
Kerala	1,475,425	1,496,843	210,096	197,409	6,979,816	7,175,283	264,906	257,155				
Madhya Pradesh	3,682,323	3,965,288	599,278	567,428	3,682,450	3,700,544	170,207	166,462				
Maharashtra	3,707,757	3,911,581	2,530,790	2,475,832	5,544,785	5,436,875	115,328	107,434				
Mumbai	2,177,572	2,284,890	1,259,468	1,253,577					993,418	1,014,521	67,094	66,323
North East					1,407,410	1,416,829	141,509	142,664				
Orissa	1,949,393	2,036,955	204,416	196,108	3,317,259	3,375,286	53,897	50,672				
Punjab	1,648,149	1,784,724	731,841	685,678	3,588,088	3,139,721	30,743	28,728				
Rajasthan	705,686	691,854	1,239,399	1,201,285	5,889,737	5,190,761	149,661	146,644				
Tamil Nadu (incl. Chennai)	5,232,940	5,403,635	332,333	321,460	9,813,076	9,820,813	87,467	80,894				
UP(E)	3,581,111	3,774,590	621,186	573,756	10,120,428	9,393,934	271,183	267,288				
UP(W)	2,840,429	3,024,509	756,671	701,701	4,255,009	3,724,936	82,621	79,625				
Kolkata	2,323,934	2,497,239	526,978	472,037	821,986	807,287	20,348	19,928				
West Bengal	952,617	919,214	124,498	102,119	1,955,592	1,915,722	69,263	70,467				
Total	46,734,715	49,037,244	16,134,797	15,210,842	87,300,708	84,610,720	2,172,664	2,107,378	3,276,213	3,308,166	90,091	89,314

Annexure 1.2 (contd.)

Service Area	Sistema (CDMA)		Quadrant (HFCL) (GSM)		Quadrant (HFCL) (CDMA)		Loop (GSM)		Telewings (GSM)		Videocon (GSM)		Total		Net Additions
	Jun-14	Sep-14	Jun-14	Sep-14	Jun-14	Sep-14	Jun-14	Sep-14	Jun-14	Sep-14	Jun-14	Sep-14	Jun-14	Sep-14	
Andhra Pradesh									5,051,185	5,359,457			67,285,123	68,860,643	1,575,520
Assam													15,566,199	15,907,200	341,001
Bihar									5,575,453	6,090,744			63,169,589	64,083,510	913,921
Delhi	986,323	997,830											43,207,164	44,334,486	1,127,322
Gujarat	175,964	179,032							6,160,544	6,299,248	1,890,331	2,019,730	55,122,002	56,725,911	1,603,909
Haryana											1,583,100	1,675,194	20,864,872	21,133,818	268,946
Himachal Pradesh													7,273,335	7,443,478	170,143
Jammu & Kashmir													8,255,240	8,399,153	143,913
Karnataka	1,774,037	1,721,646											54,488,348	55,721,627	1,233,279
Kerala	401,735	401,470											30,671,308	31,261,929	590,621
Madhya Pradesh											2,076,794	2,246,948	55,663,340	56,905,050	1,241,710
Maharashtra									6,776,376	7,125,382			72,756,133	74,785,439	2,029,306
Mumbai							2,838,158	1,582,981					31,069,503	30,570,247	(499,256)
North East													9,548,374	9,754,934	206,560
Orissa													25,643,654	26,292,723	649,069
Punjab			2,278,671	2,432,024	2,295	1,951							30,122,213	30,311,186	188,973
Rajasthan	2,157,342	2,191,050											53,651,741	53,632,960	(18,781)
Tamil Nadu (incl. Chennai)	1,020,572	993,903											76,467,291	78,022,836	1,555,545
UP(E)									9,195,375	9,772,784			79,431,265	79,276,765	(154,500)
UP(W)	212,058	200,988							6,554,566	7,167,971			49,192,956	49,605,123	412,167
Kolkata	672,723	677,124											21,471,693	21,981,555	509,862
West Bengal	1,752,617	1,767,426											44,003,155	45,191,447	1,188,292
Total	9,153,371	9,130,469	2,278,671	2,432,024	2,295	1,951	2,838,158	1,582,981	39,313,499	41,815,586	5,550,225	5,941,872	914,924,498	930,202,020	15,277,522

Annexure 1.3: Wireline Subscriber Base

Service Area	Bharti		Reliance		Quadrant (HFCL)		Sistema		Tata	
	Jun-14	Sep-14	Jun-14	Sep-14	Jun-14	Sep-14	Jun-14	Sep-14	Jun-14	Sep-14
Andhra Pradesh	123,732	122,398	85,360	84,230	-	-	-	-	167,620	166,066
Assam					-	-	-	-		
Bihar			5,925	6,096	-	-	-	-	11,791	12,011
Delhi	1,195,744	1,196,544	182,301	180,041	-	-	-	-	109,158	114,873
Gujarat	58,116	59,958	91,430	85,900	-	-	-	-	76,996	79,237
Haryana	16,443	16,450	5,206	4,881	-	-	-	-	28,123	30,007
Himachal Pradesh			4,849	4,837	-	-	-	-	2,514	2,728
Jammu & Kashmir					-	-	-	-		
Karnataka	495,329	506,981	119,957	124,008	-	-	-	-	167,400	170,904
Kerala	48,371	48,742	48,612	42,553	-	-	-	-	13,310	14,378
Madhya Pradesh	226,465	228,934	22,182	22,187	-	-	-	-	19,010	19,111
Maharashtra	69,245	70,346	93,314	86,795	-	-	-	-	261,089	263,285
Mumbai	350,285	349,402	235,650	234,239	-	-	-	-	523,995	523,099
North East					-	-	-	-		
Orissa			3,022	2,952	-	-	-	-	7,467	7,546
Punjab	91,633	91,942	21,484	20,851	216,315	224,147	-	-	17,176	16,935
Rajasthan	38,402	39,232	22,105	22,092	-	-	55,988	55,716	8,916	9,545
Tamil Nadu (incl. Chennai)	458,624	459,758	144,372	142,248	-	-	-	-	85,242	88,214
U.P.(E)	52,107	54,655	38,703	38,676	-	-	-	-	15,040	15,330
U.P.(W)	20,703	20,432	6,398	6,408	-	-	-	-	9,576	9,679
Kolkata	104,767	105,891	80,731	80,711	-	-	-	-	42,682	44,744
West Bengal			1,910	1,897	-	-	-	-	3,632	3,624
Total	3,349,966	3,371,665	1,213,511	1,191,602	216,315	224,147	55,988	55,716	1,570,737	1,591,316

Annexure 1.3 (contd.)

Service Area	MTNL		BSNL		Vodafone		Total		Net Additions
	Jun-14	Sep-14	Jun-14	Sep-14	Jun-14	Sep-14	Jun-14	Sep-14	
Andhra Pradesh	-	-	1,615,613	1,576,418	8,190	8,580	2,000,515	1,957,692	-42,823
Assam	-	-	181,234	179,241	1,110	1,290	182,344	180,531	-1,813
Bihar	-	-	361,890	357,674	510	750	380,116	376,531	-3,585
Delhi	1,602,887	1,603,251			17,760	19,500	3,107,850	3,114,209	6,359
Gujarat	-	-	1,419,144	1,372,851	1,530	2,070	1,647,216	1,600,016	-47,200
Haryana	-	-	439,872	426,944	60	150	489,704	478,432	-11,272
Himachal Pradesh	-	-	239,288	230,839		90	246,651	238,494	-8,157
Jammu & Kashmir	-	-	182,678	160,363			182,678	160,363	-22,315
Karnataka	-	-	1,486,663	1,454,534	5,490	6,120	2,274,839	2,262,547	-12,292
Kerala	-	-	2,730,542	2,659,577	390	510	2,841,225	2,765,760	-75,465
Madhya Pradesh	-	-	830,903	831,860	180	330	1,098,740	1,102,422	3,682
Maharashtra	-	-	1,836,789	1,789,483	8,670	9,120	2,269,107	2,219,029	-50,078
Mumbai	1,926,005	1,926,912			9,510	10,620	3,045,445	3,044,272	-1,173
North East	-	-	133,017	130,095	60	120	133,077	130,215	-2,862
Orissa	-	-	330,073	325,809	480	540	341,042	336,847	-4,195
Punjab	-	-	843,787	818,372	360	540	1,190,755	1,172,787	-17,968
Rajasthan	-	-	774,308	749,996	1,500	1,800	901,219	878,381	-22,838
Tamil Nadu (incl. Chennai)	-	-	2,175,940	2,126,088	4,830	5,790	2,869,008	2,822,098	-46,910
U.P.(E)	-	-	643,829	436,242	720	1,050	750,399	545,953	-204,446
U.P.(W)	-	-	488,665	476,823	270	330	525,612	513,672	-11,940
Kolkata	-	-	828,191	800,147	1,860	3,000	1,058,231	1,034,493	-23,738
West Bengal	-	-	484,277	465,606	30	30	489,849	471,157	-18,692
Total	3,528,892	3,530,163	18,026,703	17,368,962	63,510	72,330	28,025,622	27,405,901	-619,721

Annexure 1.4: Service Area and Operator wise details of PCOs

Sl. No.	Name of the Circle/ Service Area	Service Provider	Number of PCOs as on 30.06.2014	Number of PCOs as on 30.09.2014	Net PCO increase/ decrease as on 30.09.14	Percentage Growth/ Decline as on 30.09.14
1	Andhra Pradesh (Including Telangana)	BSNL	59,831	55,346	-4,485	-8.10%
		Bharti	207	207	0	0.00%
		TTL	7,906	7,384	-522	-7.07%
		RCL	19,615	17,501	-2,114	-12.08%
	Andhra Pradesh	BSNL	59,831	55,346	-4,485	-8.10%
		Bharti	207	207	0	0.00%
		TTL	7,906	7,384	-522	-7.07%
		RCL	19,615	17,501	-2,114	-12.08%
	Telangana	BSNL	0	0	0	0.00%
		Bharti	0	0	0	0.00%
		TTL	0	0	0	0.00%
		RCL	0	0	0	0.00%
2	Assam	BSNL	10,846	10,837	-9	-0.08%
3	Bihar (Including Jharkhand)	BSNL	8,257	8,169	-88	-1.08%
		TTL	239	191	-48	-25.13%
		RCL	792	675	-117	-17.33%
	Bihar	BSNL	2,941	2,941	0	0.00%
		TTL	239	191	-48	-25.13%
		RCL	792	675	-117	-17.33%
	Jharkhand	BSNL	5,316	5,228	-88	-1.68%
		TTL	0	0	0	0.00%
RCL		0	0	0	0.00%	
4	Delhi	MTNL	57,003	56,776	-227	-0.40%
		Bharti	1,429	1,321	-108	-8.18%
		TTL	4,078	3,647	-431	-11.82%
		RCL	751	651	-100	-15.36%
5	Gujarat	BSNL	32,666	30,940	-1,726	-5.58%
		Bharti	16	16	0	0.00%
		TTL	5,251	4,647	-604	-13.00%
		RCL	2,482	2,207	-275	-12.46%
6	Haryana	BSNL	7,328	6,741	-587	-8.71%
		Bharti	233	223	-10	-4.48%
		TTL	165	152	-13	-8.55%
		RCL	112	94	-18	-19.15%
7	Himachal Pradesh	BSNL	5,602	5,057	-545	-10.78%
		TTL	64	59	-5	-8.47%
		RCL	876	41	-835	-2036.59%

Annexure 1.4 (Contd.)

Sl. No.	Name of the Circle/ Service Area	Service Provider	Number of PCOs as on 30.06.2014	Number of PCOs as on 30.09.2014	Net PCO increase/ decrease as on 30.09.14	Percentage Growth/ Decline as on 30.09.14
8	Jammu & Kashmir	BSNL	6,022	5,638	-384	-6.81%
9	Karnataka	BSNL	87,781	81,682	-6,099	-7.47%
		Bharti	6,625	6,311	-314	-4.98%
		TTL	5,274	4,540	-734	-16.17%
		RCL	7,093	6,188	-905	-14.63%
10	Kerala	BSNL	35,202	32,601	-2,601	-7.98%
		Bharti	719	675	-44	-6.52%
		TTL	273	235	-38	-16.17%
		RCL	1,496	1,251	-245	-19.58%
11	Madhya Pradesh (Including Chattisgarh)	BSNL	30,839	30,757	-82	-0.27%
		Bharti	4,171	3,964	-207	-5.22%
		TTL	2,112	1,874	-238	-12.70%
		RCL	2,171	2,033	-138	-6.79%
	Madhya Pradesh	BSNL	28,252	28,193	-59	-0.21%
		Bharti	4,171	3,964	-207	-5.22%
		TTL	2,112	1,874	-238	-12.70%
		RCL	2,171	2,033	-138	-6.79%
	Chattisgarh	BSNL	2,587	2,564	-23	-0.90%
		Bharti	0	0	0	0.00%
		TTL	0	0	0	0.00%
		RCL	0	0	0	0.00%
12	Maharashtra (Including Mumbai & Goa)	BSNL	89,079	84,973	-4,106	-4.83%
		Bharti	42	41	-1	-2.44%
		MTNL	84,586	83,344	-1,242	-1.49%
		TTML	34,672	31,423	-3,249	-10.34%
		RCL	15,895	14,645	-1,250	-8.54%
	Maharashtra & Goa	BSNL	89,079	84,973	-4,106	-4.83%
		Bharti	1	0	-1	0.00%
		MTNL	0	0	0	0.00%
		TTML	27,495	25,286	-2,209	-8.74%
		RCL	6,840	6,088	-752	-12.35%
	Mumbai	BSNL	0	0	0	0.00%
		Bharti	41	41	0	0.00%
		MTNL	84,586	83,344	-1,242	-1.49%
		TTML	7,177	6,137	-1,040	-16.95%
		RCL	9,055	8,557	-498	-5.82%

Annexure 1.4 (Contd.)

Sl. No.	Name of the Circle/ Service Area	Service Provider	Number of PCOs as on 30.06.2014	Number of PCOs as on 30.09.2014	Net PCO increase/ decrease as on 30.09.14	Percentage Growth/ Decline as on 30.09.14
13	North East	BSNL	8,044	7,008	-1,036	-14.78%
14	Orissa	BSNL	7,462	5,436	-2,026	-37.27%
		TTL	340	303	-37	-12.21%
		RCL	195	161	-34	-21.12%
15	Punjab	BSNL	9,845	9,570	-275	-2.87%
		Bharti	169	155	-14	-9.03%
		Quardant	3,051	2,907	-144	-4.95%
		TTL	1,456	1,296	-160	-12.35%
		RCL	796	461	-335	-72.67%
16	Rajasthan	BSNL	14,652	14,299	-353	-2.47%
		Bharti	217	217	0	0.00%
		S.Shyam	12,914	11,817	-1,097	-9.28%
		TTL	610	586	-24	-4.10%
		RCL	1,390	1,194	-196	-16.42%
17	Tamilnadu (Including Chennai)	BSNL	98,770	94,221	-4,549	-4.83%
		Bharti	11,220	10,744	-476	-4.43%
		TTL	4,198	3,644	-554	-15.20%
		RCL	11,532	10,292	-1,240	-12.05%
	Tamilnadu	BSNL	84,325	80,065	-4,260	-5.32%
		Bharti	11,220	10,744	-476	-4.43%
		TTL	4,198	3,644	-554	-15.20%
		RCL	8,254	7,295	-959	-13.15%
	Chennai	BSNL	14,445	14,156	-289	-2.04%
		Bharti	0	0	0	0.00%
		TTL	0	0	0	0.00%
		RCL	3,278	2,997	-281	-9.38%
18	Uttar Pradesh (East)	BSNL	29,745	23,391	-6,354	-27.16%
		Bharti	209	201	-8	-3.98%
		TTL	509	321	-188	-58.57%
		RCL	901	698	-203	-29.08%
19	Uttar Pradesh - West (Including Uttarakhand)	BSNL	13,529	12,224	-1,305	-10.68%
		Bharti	181	169	-12	-7.10%
		TTL	984	935	-49	-5.24%
		RCL	658	560	-98	-17.50%

Annexure 1.4 (Contd.)

Sl. No.	Name of the Circle/ Service Area	Service Provider	Number of PCOs as on 30.06.2014	Number of PCOs as on 30.09.2014	Net PCO increase/ decrease as on 30.09.14	Percentage Growth/ Decline as on 30.09.14
	Uttar Pradesh - West (Excluding Uttarakhand)	BSNL	8,533	7,805	-728	-9.33%
		Bharti	181	169	-12	-7.10%
		TTL	984	935	-49	-5.24%
		RCL	658	560	-98	-17.50%
	Uttarakhand	BSNL	4,996	4,419	-577	-13.06%
		Bharti	0	0	0	0.00%
		TTL	0	0	0	0.00%
		RCL	0	0	0	0.00%
20	West Bengal (Including Andaman & Nicobar)	BSNL	27,108	24,854	-2,254	-9.07%
		Bharti	0	0	0	0.00%
		TTL	493	407	-86	-21.13%
		RCL	1,116	908	-208	-22.91%
	West Bengal (Excluding Andaman & Nicobar)	BSNL	26,938	24,684	-2,254	-9.13%
		Bharti	0	0	0	0.00%
		TTL	493	407	-86	-21.13%
		RCL	1,116	908	-208	-22.91%
	Andaman and Nicobar	BSNL	170	170	0	0.00%
		Bharti	0	0	0	0.00%
		TTL	0	0	0	0.00%
		RCL	0	0	0	0.00%
21	Kolkata	BSNL	7,655	7,280	-375	-5.15%
		Bharti	72	66	-6	-9.09%
		TTL	1,758	1,442	-316	-21.91%
		RCL	1,048	906	-142	-15.67%
Total			9,12,628	8,53,730	-58,898	-6.45%

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

Sl. No.	Name of the Circle/Service Area	Service Provider	Number of VPTs as on 30.06.2014	Number of VPTs as on 30.09.2014	Net VPT increase/ decrease as on 30.09.2014	Percentage Growth/ Decline as on 30.09.2014
1	Andhra Pradesh (Including Telangana)	BSNL	25,107	25,107	0	0.00%
		TTL	0	0	0	0.00%
	Andhra Pradesh (Excluding Telangana)	BSNL	25,107	25,107	0	0.00%
		TTL	0	0	0	0.00%
	Telangana	BSNL	0	0	0	0.00%
TTL		0	0	0	0.00%	
2	Assam	BSNL	24,692	24,692	0	0.00%
3	Bihar (Including Jharkhand)	BSNL	67,748	67,748	0	0.00%
	Bihar (excluding Jharkhand)	BSNL	38,941	38,941	0	0.00%
	Jharkhand	BSNL	28,807	28,807	0	0.00%
4	Delhi	MTNL	0	0	0	0.00%
		Bharti	0	0	0	0.00%
		TTL	0	0	0	0.00%
		RCL	0	0	0	0.00%
5	Gujarat	BSNL	18,054	18,054	0	0.00%
6	Haryana	BSNL	6,678	6,678	0	0.00%
7	Himachal Pradesh	BSNL	17,408	17,408	0	0.00%
8	Jammu & Kashmir	BSNL	6,385	6,386	1	0.02%
9	Karnataka	BSNL	27,451	27,451	0	0.00%
10	Kerala	BSNL	1,372	1,372	0	0.00%
11	Madhya Pradesh (Including Chattisgarh)	BSNL	70,314	70,314	0	0.00%
	Madhya Pradesh (Excluding Chattisgarh)	BSNL	51,986	51,986	0	0.00%
	Chattisgarh	BSNL	18,328	18,328	0	0.00%
12	Maharashtra (Including Mumbai & Goa)	BSNL	40,654	40,654	0	0.00%
		Bharti	0	0	0	0.00%
		MTNL	0	0	0	0.00%
		TTML	1,786	1,786	0	0.00%
		RCL	0	0	0	0.00%
	Maharashtra & Goa (Excluding Mumbai)	BSNL	40,654	40,654	0	0.00%
		Bharti	0	0	0	0.00%
		MTNL	0	0	0	0.00%
		TTML	1,786	1,786	0	0.00%
		RCL	0	0	0	0.00%

Annexure 1.5 (contd.)

Sl. No.	Name of the Circle/Service Area	Service Provider	Number of VPTs as on 30.06.2014	Number of VPTs as on 30.09.2014	Net VPT increase/ decrease as on 30.09.2014	Percentage Growth/ Decline as on 30.09.2014
	Mumbai	BSNL	0	0	0	0.00%
		Bharti	0	0	0	0.00%
		MTNL	0	0	0	0.00%
		TTML	0	0	0	0.00%
		RCL	0	0	0	0.00%
13	North East	BSNL	13,043	13,109	66	0.50%
14	Orissa	BSNL	45,215	45,215	0	0.00%
15	Punjab	BSNL	12,065	12,065	0	0.00%
		Quadrant	4	4	0	0.00%
16	Rajasthan	BSNL	39,568	39,568	0	0.00%
		S. Shyam	3,010	3,010	0	0.00%
17	Tamilnadu (Including Chennai)	BSNL	15,492	15,492	0	0.00%
	Tamilnadu (Excluding Chennai)	BSNL	13,837	13,837	0	0.00%
	Chennai	BSNL	1,655	1,655	0	0.00%
18	Uttar Pradesh (East)	BSNL	74,145	74,145	0	0.00%
19	Uttar Pradesh - West (Including Uttarakhand)	BSNL	39,088	39,088	0	0.00%
	Uttar Pradesh - West (Excluding Uttarakhand)	BSNL	23,707	23,707	0	0.00%
	Uttarakhand	BSNL	15,381	15,381	0	0.00%
20	West Bengal (Including Andaman & Nicobar)	BSNL	37,309	37,310	1	0.00%
	West Bengal (Excluding Andaman & Nicobar)	BSNL	36,957	36,958	1	0.00%
	Andaman and Nicobar	BSNL	352	352	0	0.00%
21	Kolkata	BSNL	613	613	0	0.00%
	Total		5,87,201	5,87,269	68	0.01%

Annexure 1.6 : Internet Service Provider(ISP) wise Internet Subscriber base

S. No.	Name of Service Provider	Narrowband	Broadband	Total
1	Bharti Airtel Ltd.	50130093	16832283	66962376
2	Vodafone	43608914	13557660	57166574
3	Bharat Sanchar Nigam Ltd.	13608050	17915991	31524041
4	Idea Cellular *	20406697	10527658	30934355
5	Reliance Communications *	23307799	6499968	29807767
6	Aircel	14790397	1733545	16523942
7	Telewings	9119795	0	9119795
8	Tata	135605	2971421	3107026
9	Mahanagar Telephone Nigam Ltd.	358043	1465171	1823214
10	Loop	1480948	0	1480948
11	Sistema Shyam	28684	1451400	1480084
12	Videocon	1031914	0	1031914
13	Quadrant Televentures Ltd.	461379	153608	614987
14	You Broadband India Pvt. Ltd.	16106	415127	431233
15	Beam Telecom Pvt. Ltd.	0	422602	422602
16	Hathway Cable & Datacom Pvt. Ltd.	9805	317272	327077
17	Tikona	2746	265569	268315
18	Atria Convergence Technologies Pvt. Ltd.	0	132989	132989
19	Asianet Satellite Communications Ltd.	0	131102	131102
20	Syscon Infoway Pvt Ltd	29945	77938	107883
21	D-Vois Broadband Private Ltd.	0	98657	98657
22	GTPL Hathway Private Ltd.	3969	61207	65176
23	Ortel Communication Ltd.	8046	55626	63672
24	Five Network Solution (India) Ltd.	0	61397	61397
25	Alliance Broadband Services Pvt. Ltd.	1387	56510	57897
26	Broadband Pacenet (I) Pvt. Ltd.	157	50221	50378
27	Siti Cable Network Ltd.	26205	22361	48566
28	Citycom Networks Pvt. Ltd.	2894	37843	40737
29	Honesty Net Solutions (I) Pvt Ltd	7193	30265	37458
30	Meghbela Cable & Broadband Services (P) Ltd	21405	11205	32610
31	Indusind Media & Communications Ltd.	3767	26041	29808
32	Chandra Net Pvt. Ltd.	1832	23828	25660
33	Digital Network associates Pvt. Ltd	2105	22850	24955
34	Home Systems Pvt. Ltd.	0	23089	23089

Annexure 1.6 (contd.)

S.No	Name of Service Provider	Narrowband	Broadband	Total
35	Limras Eronet Broadband Service Pvt Ltd	10265	8869	19134
36	Wish Net Pvt. Ltd.	0	18577	18577
37	Rajesh Multi Channel Pvt. Ltd.	4509	13799	18308
38	Southern Online Bio Technologies Ltd.	5230	12724	17954
39	Noida Software Technology Park Ltd.	0	17199	17199
40	Vasai Cable Pvt. Ltd.	0	14426	14426
41	R.K. Infratel Ltd.	856	13452	14308
42	City Online Services Ltd	7419	6879	14298
43	RailTel Corporation of India Ltd.	4641	7791	12432
44	Nextra Teleservices Pvt. Ltd.	0	12049	12049
45	SmartLink Broadband Services	1920	9688	11608
46	DEN Networks Ltd	429	10113	10542
47	Pioneerelabs	58	9626	9684
48	North East Dataa Network Pvt Ltd.	0	8599	8599
49	Apna Telelink Ltd.	0	8524	8524
50	Blazenet Ltd.	4069	3274	7343
51	World Phone Internet Services Pvt Ltd	731	6458	7189
52	Nettlinx Ltd.	0	6545	6545
53	Sify Technologies Ltd.	3265	3067	6332
54	Quest Consultancy Pvt. Ltd.	0	6284	6284
55	Swiftmail Communications Ltd.	1412	4704	6116
56	We Internet Ltd.	0	5100	5100
57	Spacenet Internet Services Pvt Ltd.	0	4948	4948
58	Geocity Network Solutions Pvt. Ltd.	884	3632	4516
59	Bhupati Hotels Pvt. Ltd	0	4431	4431
60	IKF Technologies Ltd	1416	3010	4426
61	Narmada Cyberzone Pvt Ltd	1857	2496	4353
62	Yashash Cable Network Pvt Ltd	0	4260	4260
63	CJ Online Pvt. Ltd.	25	3683	3708
64	Hathway Bhawani Cabletel & Datacom Pvt. Ltd.	0	3564	3564
65	Ishan Netsol Pvt Ltd	3203	230	3433
66	HCL Comnet Systems & Services Ltd.	3396	31	3427
67	Rajesh Patel Net Services Pvt. Ltd.	341	3064	3405
68	Kaizen Infonet Pvt Ltd	804	2545	3349
69	Intermedia Cable Communication Pvt Ltd	333	2864	3197

Annexure 1.6 (contd.)

S.No	Name of Service Provider	Narrowband	Broadband	Total
70	CJM Consultancy Services Pvt. Ltd.	0	2977	2977
71	F/X Wireless Technology Services Pvt. Ltd.	0	2921	2921
72	Siliguri Internet & Cable TV Pvt. Ltd.	0	2878	2878
73	Kappa Internet Services Pvt Ltd.	761	1656	2417
74	Shri Omkar Infocom Pvt. Ltd.	23	2345	2368
75	Hughes Communications India Ltd.	865	1272	2137
76	Wan and Lan Internet Pvt. Ltd.	52	2004	2056
77	Readylink Internet Services Pvt Ltd	141	1579	1720
78	Speed Online.net Pvt. Ltd.	0	1669	1669
79	Symbois Creations Pvt. Ltd.	165	1493	1658
80	Capture Network Systems Pvt. Ltd.	75	1451	1526
81	Star Broadband Services (I) Pvt Ltd	0	1495	1495
82	United Telecoms Ltd.	207	1272	1479
83	Digital2Virtual ISP Pvt. Ltd.	13	1254	1267
84	Touch Net India Pvt. Ltd.	589	657	1246
85	Multinet (Udaipur) Pvt. Ltd.	0	868	868
86	Data Infosys Ltd.	160	654	814
87	Aeroway Networks Pvt Ltd.	46	632	678
88	delDSL Internet Pvt Ltd	278	361	639
89	Sab Infotech	0	595	595
90	Rajdhani Telecom Pvt. Ltd.	83	501	584
91	Pipetel Communications Pvt. Ltd.	3	538	541
92	Sikka Broadband(P) Ltd	39	342	381
93	Primenet Global Ltd.	0	371	371
94	Bhiwani Communications Pvt. Ltd.	133	162	295
95	ERNET India	208	65	273
96	QBC Infotech Pvt. Ltd.	6	241	247
97	Rida Communication Pvt. Ltd.	0	238	238
98	Microsense Pvt. Ltd.	0	225	225
99	Conjoinix Technologies Pvt Ltd	0	214	214
100	Shri Vinayagaa Internet Pvt Ltd	66	87	153
101	Khetan Cable Network (P) Ltd	0	124	124
102	Trans Virtual Pvt. Ltd.	44	76	120
103	Convergent Telecom Pvt. Ltd	0	105	105
104	Pulse Telesystems Pvt. Ltd.	0	105	105
105	Tatanet Services Ltd	0	93	93
106	Harisree CableNet Pvt. Ltd.	0	84	84

Annexure 1.6 (contd.)

S.No	Name of Service Provider	Narrowband	Broadband	Total
107	NetMagic Solutions(P) Ltd.	0	74	74
108	Power Grid Corporation of India Ltd.	0	51	51
109	Verizon Communications India Pvt. Ltd.	0	48	48
110	Dream Plus Multi Services Pvt. Ltd.	13	30	43
111	Sanyog Networks Pvt Ltd	9	33	42
112	AT&T Global Network Services India Pvt Ltd.	0	33	33
113	Nelco Ltd.	0	32	32
114	West Bengal Electronics Industry Development Corp. Ltd.	0	30	30
115	STN Communication & Advertising Pvt Ltd.	0	22	22
116	VIVA Communications Pvt Ltd	0	18	18
117	Essel Shyam Communications Ltd.	16	0	16
118	Chemical And Metallurgical Design Co. Ltd	15	0	15
119	Financial Technologies Communications Ltd.	0	15	15
120	Vcare Call Centres India Pvt. Ltd.	0	15	15
121	ABT Ltd.	3	2	5
122	Adya Tech One Services Pvt Ltd	0	3	3
123	Reach Network India Pvt. Ltd.	3	0	3
124	Maple PC & Peripherals Pvt Ltd.	0	2	2
125	Godrej Infotech Ltd.	0	1	1
126	Orange Business Services India Network Pvt. Ltd.	0	1	1
127	L&T Finance Ltd.	0	1	1
128	Opto Network Pvt. Ltd.	0	1	1
129	Reliance Jio Infocomm Ltd	0	1	1
	Total	178666959	75732926	254399885

*Wireless subscribers with less than 1 MB monthly data usage not considered as internet/ broadband subscribers by Reliance Communications Group and Idea Cellular Ltd.

Annexure 1.7: List of Internet Service Providers reported IP Telephony Minutes for Q.E. Sep-14

S. No.	Name of Service Providers reported IP Telephony Minutes
1	Alliance Broadband Services Pvt. Ltd.
2	Asianet Satellite Communications Ltd.
3	Blazenet Ltd.
4	City Online Services Ltd.
5	Citycom Networks Pvt. Ltd.
6	Convergent Telecom Pvt. Ltd.
7	Data Infosys Ltd.
8	delDSL Internet Pvt. Ltd.
9	Fast Lynx Internet Pvt. Ltd.
10	IKF Technologies Ltd.
11	Novanet Ltd.
12	Oistel Telecom Pvt. Ltd.
13	Opto Network Pvt. Ltd.
14	Pipetel Communications Pvt. Ltd.
15	Pulse Telesystems Pvt. Ltd.
16	Sify Technologies Ltd.
17	Tata Communications Ltd.
18	Tata Teleservices (Maharashtra) Ltd.
19	Trikon Electronics Pvt. Ltd.
20	VIVA Communications Pvt. Ltd.
21	World Phone Internet Services Pvt. Ltd.
22	You Broadband & Cable India Pvt. Ltd.

Annexure 1.8: Service Area wise PMRTS subscriber Base

SNo.	Operative Area	Service Providers	Subscriber Base	
			30.06.2014	30.09.2014
1	Delhi(Faridabad/ Gurgaon)	Arya Omnitalk Radio Trunking Servives Pvt.Ltd.	3727	4490
		Procall(Delhi)	3190	2809
		Procall (Faridabad)	322	319
		Procall (Gurgaon)	819	792
		Total	8058	8410
2	Mumbai(Navi Mumbai/Vashi)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	6807	7366
		Smartalk (Mumbai & Vashi)	580	438
		Bhilwara Telenet(Mumbai)	601	401
		Total	7988	8205
3	Kolkata	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1777	1760
		Total	1777	1760
4	TN(Chennai)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	5011	5033
		Quick Calls	131	21
		Total	5142	5054
5	Karnataka (Bangalore)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	5199	5503
		Quick Calls	417	370
		Total	5616	5873
6	Andhra Pradesh (Vishakhapatna)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	3094	3214
		Quick Calls	1982	2022
		Total	5076	5236
7	Madhya Pradesh (Indore)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	769	756
		Total	769	756
8	Rajasthan (Jaipur)	Procall	532	570
		Total	532	570
9	Gujrat(Ahmedabad /Surat/Baroda/ Bharuch)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	4587	4712
		Total	4587	4712
10	Maharashtra (Pune)	Smartalk	392	253
		Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1228	1270
		Total	1620	1523
		Grand Total	41165	42099

Annexure 2.1: GSM Service - Service Area wise Statistics for QE Sep-14

Key parameters for service areas of category-A

Service Area	% of pre-paid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
AP	96	132	26	194	202	397
Gujarat	95	104	16	184	157	341
Karnataka	95	138	47	197	188	385
MH	95	122	34	170	158	328
TN (incl. Chennai)	95	123	41	179	189	369

Key parameters for service areas of category-B

Service Area	% of pre-paid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
Haryana	97	100	17	193	180	373
Kerala	96	173	19	205	259	463
MP	98	95	17	145	148	293
Punjab	94	127	51	205	201	406
Rajasthan	98	103	11	153	171	324
UP(E)	99	93	13	160	225	385
UP(W)	98	94	22	170	190	360
WB	99	80	15	156	194	350

Key parameters for service areas of category-C

Service Area	% of pre-paid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
Assam	96	125	35	203	229	432
Bihar	99	92	6	157	244	401
HP	98	107	20	202	196	398
J&K	92	160	7	279	245	524
NE	97	123	63	189	181	370
Orissa	99	87	10	180	218	398

Key parameters for service areas of category-Metro

Service Area	% of pre-paid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
Kolkata	93	110	24	213	217	430
Delhi	86	164	24	235	190	425
Mumbai	84	180	28	259	186	445

**Annexure 2.2: CDMA Full Mobility Service - Service Area wise Statistics
for QE Sep-14**

Key parameters for service areas of Category A

Service Area	% of Prepaid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
MH	88	114	19	120	107	228
Gujarat	81	142	34	136	104	240
TN (incl. Chennai)	80	167	17	143	103	246
Karnataka	86	137	11	139	126	265
AP	83	148	24	178	160	337

Key parameters for service areas of Category B

Service Area	% of Prepaid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
WB	99	60	6	148	176	324
Rajasthan	95	82	13	223	174	397
UP(E)	95	66	19	86	101	187
MP	95	71	16	114	125	239
Kerala	84	131	10	109	107	215
UP(W)	94	83	22	112	129	241
Haryana	90	76	18	167	142	309
Punjab	78	144	19	169	107	277

Key parameters for service areas of Category C

Service Area	% of Prepaid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
Orissa	90	103	10	130	155	285
Bihar	96	67	10	118	158	276
HP	85	147	8	137	119	256
J&K	14	294	34	210	190	401
North East			NA			
Assam			NA			

Key parameters for service areas of Category Metro

Service Area	% of Prepaid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
Kolkata	89	108	9	132	143	276
Delhi	87	120	15	162	113	275
Mumbai	80	154	24	110	78	187

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

Performance Monitoring Report on Quality of Service of Cellular Mobile Service Providers for quarter ending, September, 2014																					
Name of Service Area	Name of Service Provider	Network Related Parameters									Customer Service Quality Parameters										
		Network Availability		Connection Establishment		Connection Maintenance (Retainability)			POI	Metering and billing						Response time to the customer for assistance			Termination / closure of service		
		BTSs Accumulated downtime (not available for service) (%age)	Worst affected BTSs due to downtime (%age)	Call Set-up Success Rate (within licensee's own network)	SDCCH / Paging Ch. Congestion (%age)	TCH Congestion (%age)	Call Drop Rate (%age)	Worst affected cells having more than 3% TCH drop (call drop) rate (%age)	Connection with good voice quality	Point of interconnection (POI) Congestion (No. of POIs not meeting the benchmark) (Averaged over a period of quarter)	Metering and billing credibility - post paid	Metering and billing credibility - pre paid	Resolution of billing/charging complaints	Resolution of billing/charging complaints	Resolution of billing/charging complaints	Period of applying credit/waiver/ adjustment to customer's account from the date of resolution of complaints	Accessibility of call centre/ customer care	Percentage of calls answered by the operators (voice to voice) within 60 seconds	Percentage of calls answered by the operators (voice to voice) within 90 seconds	%age requests for Termination / Closure of service complied within 7 days	Time taken for refund of deposits after closures
		≤ 2%	≤ 2%	≥ 95%	≤ 1%	≤ 2%	≤ 2%	≤ 3%	≥ 95%	≤ 0.5%	≤ 0.1%	≤ 0.1%	100% within 4 weeks	98% within 4 weeks	100% within 6 weeks	within 1 week of resolution of complaint	≥ 95%	≥ 90%	≥ 95%	100% within 7 days	100% within 60 days
AP	Aircel	0.17	1.30	99.33	0.18	0.31	0.94	4.56	97.84	0	0.00	0.01	100.00	NA	NA	100.00	97.36	84.24	NA	100.00	100.00
	Airtel	0.02	0.00	99.25	0.06	0.07	0.38	0.54	98.85	0	0.01	0.00	NA	100.00	100.00	100.00	100.00	NA	98.23	100.00	100.00
	BSNL	1.90	1.90	98.05	0.70	1.88	0.90	2.67	97.00	0	0.00	0.00	100.00	NA	NA	100.00	82.00	52.00	NA	100.00	100.00
	Idea	0.05	0.27	99.99	0.61	0.79	0.75	1.58	97.49	0	0.19	0.00	100.00	NA	NA	100.00	99.59	91.51	NA	99.99	100.00
	RCOM CDMA	0.51	1.39	98.49	0.00	0.12	0.27	0.11	99.70	0	0.09	0.01	NA	100.00	100.00	100.00	98.86	NA	69.77	100.00	100.00
	RCOM GSM	0.39	1.18	99.71	0.03	0.06	0.40	0.05	98.86	0	0.09	0.10	NA	100.00	100.00	100.00	98.95	NA	63.62	100.00	100.00
	TATA CDMA	0.06	0.00	99.24	0.01	0.75	0.29	0.28	98.84	0	0.00	0.00	NA	99.56	100.00	100.00	99.07	NA	95.07	100.00	99.90
	TATA GSM	0.24	0.94	98.58	0.07	0.27	0.72	1.73	97.93	0	0.00	0.00	NA	100.00	100.00	100.00	99.59	NA	73.95	100.00	99.90
	Telewings	0.32	1.74	98.19	0.38	0.68	1.20	2.54	98.00	0	NA	0.00	NA	100.00	NA	NA	95.71	NA	99.75	NA	NA
Vodafone	0.05	0.33	99.77	0.06	0.23	0.58	2.80	98.82	0	0.18	0.03	NA	100.00	NA	100.00	100.00	NA	100.00	100.00	100.00	
ASM	Aircel	9.52	43.90	94.35	1.54	4.02	2.03	20.10	90.10	0	0.01	0.00	100.00	NA	NA	100.00	95.48	90.27	NA	98.45	100.00
	Airtel	0.36	1.41	98.12	0.18	0.78	1.22	1.13	98.29	0	0.01	0.00	NA	100.00	100.00	100.00	99.98	NA	99.30	100.00	100.00
	BSNL	2.52	4.85	95.19	0.91	1.25	2.45	5.56	95.24	0	0.00	0.01	100.00	NA	NA	100.00	79.00	85.89	NA	100.00	50.00
	Idea	0.39	0.61	98.44	0.32	1.17	1.32	2.03	95.19	0	0.01	0.02	100.00	NA	NA	100.00	98.90	97.58	NA	100.00	100.00
	RTL	0.41	1.70	98.51	0.03	0.15	0.71	0.13	98.41	0	0.10	0.08	NA	100.00	100.00	100.00	98.98	NA	94.12	100.00	100.00
	Vodafone	0.82	1.71	99.52	0.12	0.48	0.72	2.70	97.57	0	0.33	0.05	NA	100.00	NA	100.00	99.83	NA	100.00	100.00	100.00
BH	Aircel	5.69	30.68	92.98	1.06	6.47	1.71	12.66	94.99	0	0.00	0.00	100.00	NA	NA	100.00	91.68	90.04	NA	100.00	100.00
	Airtel	0.10	0.38	97.79	0.90	0.87	1.33	2.47	96.31	0	0.01	0.01	NA	100.00	100.00	100.00	99.90	NA	97.50	100.00	100.00
	BSNL	12.86	20.73	97.46	0.74	1.19	3.31	10.80	96.48	0	0.00	0.00	49.00	NA	NA	50.00	50.00	46.50	NA	100.00	100.00
	Idea	0.69	1.87	98.87	0.64	1.11	1.22	2.76	97.12	0	0.01	0.01	100.00	NA	NA	100.00	98.96	97.71	NA	100.00	100.00
	RCOM CDMA	0.36	0.78	97.19	0.00	0.04	0.46	1.78	99.80	0	0.09	0.04	NA	100.00	100.00	100.00	99.15	NA	90.46	100.00	100.00
	RTL	0.11	0.29	96.22	0.35	0.10	0.53	0.14	97.89	0	0.09	0.09	NA	100.00	100.00	100.00	98.83	NA	96.23	100.00	100.00
	TATA CDMA	0.10	0.00	97.56	0.00	0.56	0.92	1.89	98.17	0	0.00	0.00	NA	100.00	100.00	100.00	98.77	NA	95.92	100.00	100.00
	TATA GSM	0.05	0.10	98.78	0.33	0.17	0.53	1.21	97.37	0	0.00	0.00	NA	100.00	100.00	100.00	96.34	NA	97.41	100.00	100.00
	Telewings	0.33	1.42	97.56	0.62	1.56	0.68	2.41	93.34	0	NA	0.03	NA	100.00	NA	NA	97.10	NA	98.12	NA	NA
Vodafone	0.56	1.92	99.47	0.19	0.53	0.99	4.55	97.65	0	0.02	0.01	NA	100.00	NA	100.00	100.00	NA	97.69	100.00	100.00	

Annexure 4.1 (Contd.)

CHN	Aircel	0.40	1.83	98.47	0.35	1.12	0.99	7.34	97.50	0	0.01	0.00	100.00	NA	NA	100.00	96.33	92.46	NA	100.00	100.00
	Airtel	0.02	0.02	99.92	0.02	0.01	0.17	0.17	99.73	0	0.01	0.00	NA	100.00	100.00	99.86	100.00	NA	97.00	100.00	100.00
	BSNL	0.44	1.67	99.57	0.23	0.43	0.74	1.21	100.00	0	0.09	0.04	100.00	NA	NA	3.00	100.00	91.89	NA	100.00	100.00
	Idea	0.02	0.00	99.61	0.07	0.39	0.57	2.40	98.75	0	0.02	0.01	NA	100.00	NA	100.00	100.00	NA	96.55	100.00	100.00
	RCOM CDMA	0.36	0.00	99.59	0.07	0.09	0.37	0.86	96.85	0	Incl. In TN										
	RCOM GSM	0.27	0.78	99.09	0.00	0.01	0.06	0.06	99.78	0	0.10	0.06	NA	100.00	100.00	100.00	98.05	NA	75.47	100.00	100.00
	TATA CDMA	Incl in TN																			
	TATA GSM	Incl in TN																			
Vodafone	0.01	0.36	99.75	0.03	0.05	0.35	0.03	99.05	0	0.02	0.01	NA	100.00	NA	100.00	100.00	NA	96.55	100.00	100.00	
DLI	Aircel	0.46	2.55	97.14	0.66	1.75	1.39	9.24	97.32	0	0.00	0.00	100.00	NA	NA	100.00	97.58	93.05	NA	99.74	100.00
	Airtel	0.01	0.00	99.79	0.04	0.14	0.70	0.97	99.21	0	0.02	0.00	NA	100.00	100.00	99.92	97.94	NA	94.73	100.00	100.00
	Idea	0.01	0.00	99.96	0.50	0.90	0.56	1.48	98.80	0	0.04	0.03	100.00	NA	NA	100.00	98.06	98.09	NA	100.00	96.37
	MTS	0.16	0.90	98.61	0.00	0.40	0.80	1.93	99.19	0	0.04	0.05	NA	100.00	100.00	100.00	99.79	NA	97.18	100.00	0.00
	MTNL CDMA	NR												100.00	NR	100.00	NR	NR	NR	100.00	100.00
	MTNL GSM	0.43	1.70	96.46	0.61	1.67	1.83	2.29	96.92	0	0.05	0.01	NA	98.00	100.00	100.00	96.99	NA	96.16	100.00	100.00
	RCOM CDMA	0.16	0.03	97.42	0.00	0.07	0.37	2.33	99.79	0	0.10	0.04	NA	100.00	100.00	100.00	98.17	NA	96.97	100.00	100.00
	RCOM GSM	0.33	0.55	99.59	0.03	0.06	0.37	0.10	98.77	0	0.10	0.10	NA	100.00	100.00	100.00	98.52	NA	94.45	100.00	100.00
	TATA CDMA	0.08	0.16	98.97	0.00	0.10	0.58	1.29	99.03	0	0.00	0.00	NA	100.00	100.00	100.00	99.31	NA	97.97	100.00	99.90
Vodafone	0.12	0.67	99.70	0.02	0.08	0.90	2.77	97.70	0	0.08	0.02	NA	100.00	NA	100.00	100.00	NA	98.37	96.99	100.00	
GUJ	Aircel	0.03	0.00	99.13	0.09	0.51	0.63	3.26	97.99	0	0.00	0.00	100.00	NA	NA	100.00	95.92	97.05	NA	100.00	100.00
	Airtel	0.09	0.17	99.67	0.04	0.52	0.74	1.30	97.03	0	0.00	0.00	NA	100.00	100.00	100.00	100.00	NA	97.56	100.00	100.00
	BSNL	1.49	1.78	99.08	0.06	0.85	0.96	2.85	100.00	0	0.02	0.00	100.00	NA	NA	100.00	95.70	97.06	NA	100.00	100.00
	Idea	0.08	0.23	99.07	0.42	0.60	1.22	0.76	95.97	0	0.11	0.03	100.00	NA	NA	100.00	99.40	98.52	NA	100.00	100.00
	MTS	0.04	0.00	99.70	0.00	0.04	0.26	2.68	99.20	0	0.01	0.00	NA	100.00	100.00	100.00	100.00	NA	97.20	100.00	NA
	RCOM CDMA	0.24	0.48	98.92	0.00	0.01	0.07	0.11	99.85	0	0.10	0.03	NA	100.00	100.00	100.00	98.14	NA	65.90	100.00	100.00
	RCOM GSM	0.25	0.42	99.59	0.01	0.07	0.36	0.03	98.74	0	0.09	0.10	NA	100.00	100.00	100.00	98.72	NA	62.15	100.00	100.00
	TATA CDMA	0.01	0.00	97.92	0.00	1.04	0.55	2.81	99.34	0	0.00	0.00	NA	100.00	100.00	100.00	97.78	NA	92.77	100.00	100.00
	TATA GSM	0.01	0.00	98.12	0.04	0.09	0.92	2.95	98.06	0	0.00	0.00	NA	100.00	100.00	100.00	98.51	NA	88.97	100.00	99.90
	Telewings	0.24	0.98	97.29	0.44	1.43	0.50	2.57	97.89	0	NA	0.02	NA	100.00	NA	NA	95.84	NA	92.91	NA	NA
	Videocon	0.11	0.30	98.31	0.19	0.33	0.66	1.29	97.66	0	NA	0.00	100.00	NA	NA	NA	NA	NA	NA	NA	NA
Vodafone	0.03	0.04	99.61	0.15	0.39	0.89	1.06	97.27	0	0.09	0.01	NA	100.00	NA	100.00	100.00	NA	97.85	100.00	100.00	
HP	Aircel	0.44	1.46	98.90	0.09	0.86	1.30	13.58	95.07	0	0.00	0.00	100.00	NA	NA	100.00	99.02	93.17	NA	100.00	100.00
	Airtel	0.02	0.00	99.04	0.12	0.20	0.59	1.71	98.81	0	0.07	0.00	NA	100.00	100.00	100.00	96.95	NA	97.00	100.00	100.00
	BSNL	1.90	1.94	97.25	0.79	1.63	1.65	2.90	96.87	0	0.00	0.00	NR	NA	NA	NR	NR	NR	NA	100.00	100.00
	Idea	0.07	0.00	98.54	0.12	0.70	1.37	2.19	95.90	0	0.04	0.02	100.00	NA	NA	100.00	98.81	96.46	NA	100.00	100.00
	RCOM CDMA	0.08	0.12	98.96	0.00	0.01	0.07	0.32	99.79	0	0.08	0.02	NA	100.00	100.00	100.00	98.81	NA	92.70	100.00	100.00
	RTL	0.16	0.18	98.58	0.07	0.09	0.70	0.04	98.21	0	0.07	0.09	NA	100.00	100.00	100.00	98.97	NA	96.88	100.00	100.00
	TATA CDMA	0.01	0.00	98.47	0.00	0.09	0.18	0.27	98.18	0	0.01	0.00	NA	100.00	100.00	100.00	97.97	NA	97.83	100.00	100.00
	TATA GSM	0.00	0.00	98.63	0.00	0.02	1.52	0.00	97.63	0	0.00	0.00	NA	100.00	100.00	100.00	99.08	NA	99.25	100.00	100.00
Vodafone	0.02	0.00	97.83	0.02	0.22	0.62	2.29	98.26	0	0.01	0.01	NA	100.00	NA	100.00	100.00	NA	99.76	100.00	100.00	

Annexure 4.1 (Contd.)

HR	Aircel	0.37	1.19	98.67	0.27	0.00	3.20	2.73	98.49	0	0.00	0.00	100.00	NA	NA	100.00	95.96	94.69	NA	100.00	100.00
	Airtel	0.08	0.11	99.24	0.11	0.18	0.32	0.79	99.09	0	0.08	0.00	NA	100.00	100.00	100.00	100.00	NA	96.00	100.00	100.00
	BSNL	1.08	1.36	96.91	0.26	1.11	1.41	1.49	97.19	1	0.09	0.01	100.00	NA	NA	100.00	100.00	13.50	NA	100.00	100.00
	Idea	0.01	0.00	99.98	0.33	0.35	0.65	1.99	98.07	0	0.07	0.01	100.00	NA	NA	100.00	100.00	97.19	NA	100.00	100.00
	RCOM CDMA	0.29	0.66	98.38	0.00	0.13	0.09	0.33	99.74	0	0.09	0.03	NA	100.00	100.00	100.00	98.72	NA	95.01	100.00	100.00
	RCOM GSM	0.35	0.74	99.58	0.02	0.05	0.39	0.04	99.07	0	0.08	0.10	NA	100.00	100.00	100.00	98.75	NA	95.98	100.00	100.00
	TATA CDMA	0.07	0.22	98.49	0.00	0.13	0.51	2.42	95.88	0	0.00	0.00	NA	100.00	100.00	100.00	97.16	NA	98.24	100.00	99.90
	TATA GSM	0.03	0.00	98.48	0.07	0.46	0.75	2.55	97.00	0	0.00	0.00	NA	99.91	100.00	100.00	99.29	NA	94.00	100.00	99.60
	Videocon	0.22	1.04	98.74	0.13	0.12	0.63	1.11	98.06	0	NA	0.02	100.00	NA	NA	NA	NA	NA	NA	NA	NA
Vodafone	0.04	0.04	99.81	0.09	0.19	0.76	2.10	97.76	0	0.09	0.01	NA	100.00	NA	100.00	99.99	NA	99.32	100.00	100.00	
J&K	Aircel	2.26	16.00	93.73	6.77	5.55	1.82	16.38	92.91	1	0.00	0.00	100.00	NA	NA	100.00	93.12	91.29	NA	99.42	100.00
	Airtel	0.07	0.11	98.19	0.57	0.38	0.52	1.20	98.16	0	0.03	0.00	NA	100.00	100.00	100.00	89.75	NA	81.00	100.00	100.00
	BSNL	1.65	1.94	97.58	0.84	1.26	1.30	2.27	97.14	0	0.00	0.00	NR	NA	NA	NR	NR	NR	NA	100.00	100.00
	Idea	0.65	1.91	98.71	0.39	0.89	1.62	2.38	96.07	0	0.02	0.01	100.00	NA	NA	100.00	98.00	93.88	NA	100.00	100.00
	RCOM GSM	0.40	1.12	99.52	0.01	0.04	0.49	0.08	98.74	0	0.08	0.10	NA	100.00	100.00	100.00	98.55	NA	95.02	100.00	100.00
	Vodafone	0.72	8.08	96.68	2.09	2.26	0.64	2.91	98.07	0	0.04	0.01	NA	100.00	NA	100.00	100.00	NA	98.33	100.00	100.00
KOL	Aircel	0.48	1.87	97.56	0.81	0.98	1.08	4.50	97.17	0	0.00	0.00	100.00	NA	NA	100.00	98.90	94.47	NA	100.00	100.00
	Airtel	0.03	0.01	99.66	0.04	0.14	0.77	0.70	96.12	0	0.01	0.00	NA	100.00	100.00	100.00	100.00	NA	98.00	100.00	100.00
	BSNL	2.00	10.09	99.28	0.50	0.65	0.58	2.93	99.78	0	0.10	1.03	60.18	NA	NA	70.00	63.00	74.34	NA	100.00	100.00
	Idea	0.20	0.48	99.64	0.05	0.06	0.35	0.95	96.58	0	0.03	0.05	100.00	NA	NA	100.00	99.44	95.05	NA	98.84	100.00
	MTS	0.18	0.00	99.67	0.00	0.00	0.56	0.94	99.85	0	0.03	0.02	NA	100.00	100.00	100.00	99.40	NA	96.43	100.00	100.00
	RCOM CDMA	0.18	0.14	99.13	0.00	0.01	0.13	0.18	99.75	0	0.09	0.04	NA	100.00	100.00	100.00	99.40	NA	95.52	100.00	100.00
	RTL	0.16	0.26	99.23	0.02	0.05	0.49	0.03	98.10	0	0.09	0.10	NA	100.00	100.00	100.00	98.96	NA	96.88	100.00	100.00
	TATA CDMA	0.08	0.00	99.01	0.00	0.09	0.76	2.13	99.18	0	0.00	0.00	NA	98.57	98.57	100.00	99.18	NA	90.50	100.00	100.00
	TATA GSM	0.02	0.18	98.83	0.03	0.02	0.73	1.58	97.72	0	0.00	0.00	NA	100.00	100.00	100.00	96.54	NA	72.23	100.00	100.00
Vodafone	0.04	0.14	99.61	0.02	0.39	0.93	2.94	97.18	0	0.01	0.03	NA	100.00	NA	100.00	100.00	NA	96.21	100.00	100.00	
KR	Aircel	0.41	0.00	99.89	0.00	0.00	0.86	2.58	98.57	0	0.00	0.00	100.00	NA	NA	100.00	97.79	94.61	NA	100.00	100.00
	Airtel	0.00	0.00	99.83	0.03	0.06	0.28	0.87	99.71	0	0.01	0.00	NA	100.00	100.00	100.00	99.28	NA	96.00	100.00	100.00
	BSNL	0.67	1.05	98.00	0.32	1.77	0.62	1.78	99.84	0	0.01	0.01	100.00	NA	NA	100.00	100.00	83.00	NA	100.00	100.00
	Idea	0.15	0.50	99.29	0.16	0.99	0.69	2.12	95.13	0	0.13	0.04	100.00	NA	NA	100.00	99.69	97.07	NA	100.00	100.00
	MTS	0.06	0.00	99.55	0.00	0.01	0.75	2.91	99.18	0	NA	0.02	NA	100.00	100.00	100.00	98.66	NA	96.08	100.00	100.00
	RCOM CDMA	0.23	0.47	99.15	0.00	0.00	0.06	0.07	99.73	0	0.10	0.05	NA	100.00	100.00	100.00	99.20	NA	89.29	100.00	100.00
	RCOM GSM	0.12	0.11	99.73	0.00	0.15	0.20	0.02	99.20	0	0.09	0.10	NA	100.00	100.00	100.00	99.23	NA	78.02	100.00	100.00
	TATA CDMA	0.01	0.00	98.74	0.00	0.01	0.72	0.36	99.13	0	0.00	0.00	NA	100.00	100.00	100.00	99.27	NA	97.61	100.00	100.00
	TATA GSM	0.02	0.00	98.96	0.01	0.05	0.69	0.64	98.03	0	0.00	0.00	NA	99.69	100.00	100.00	99.24	NA	89.80	100.00	100.00
Vodafone	0.09	0.63	99.44	0.09	0.56	0.68	2.36	97.27	0	0.09	0.01	NA	100.00	NA	100.00	100.00	NA	100.00	100.00	100.00	

Annexure 4.1 (Contd.)

KTK	Aircel	0.15	0.24	98.79	0.12	0.43	1.17	6.44	96.92	0	0.01	0.02	100.00	NA	NA	100.00	94.78	86.74	NA	99.76	100.00
	Airtel	0.53	1.85	98.82	0.28	0.42	0.71	1.22	99.14	0	0.01	0.00	NA	100.00	100.00	100.00	100.00	NA	99.00	100.00	100.00
	BSNL	1.05	1.69	98.11	0.06	0.47	1.08	2.60	97.23	0	0.06	0.05	100.00	NA	NA	100.00	94.00	48.16	NA	100.00	100.00
	Idea	0.11	0.46	98.08	0.22	0.16	0.85	1.89	96.51	0	0.05	0.02	100.00	NA	NA	100.00	99.64	98.00	NA	100.00	100.00
	MTS	0.42	0.00	99.28	0.00	0.14	0.55	1.37	99.15	0	0.05	0.00	NA	100.00	100.00	100.00	99.85	NA	29.78	100.00	100.00
	RCOM CDMA	0.50	1.28	98.60	0.00	0.01	0.08	0.05	99.78	0	0.09	0.02	NA	100.00	100.00	100.00	98.04	NA	90.57	100.00	100.00
	RCOM GSM	0.39	1.19	99.68	0.03	0.08	0.31	0.02	98.94	0	0.09	0.10	NA	100.00	100.00	100.00	98.56	NA	74.25	100.00	100.00
	TATA CDMA	0.07	0.00	98.78	0.06	0.28	0.86	1.02	98.29	0	0.00	0.00	NA	100.00	100.00	100.00	99.41	NA	93.07	100.00	99.50
	TATA GSM	0.07	0.11	98.32	0.03	0.22	0.80	2.99	97.60	0	0.00	0.00	NA	99.83	100.00	100.00	99.50	NA	83.22	100.00	99.50
Vodafone	0.18	0.73	99.89	0.05	0.11	0.60	2.93	98.67	0	0.09	0.08	NA	100.00	NA	100.00	100.00	NA	81.36	100.00	100.00	
MBI	Aircel	0.13	0.31	98.07	0.29	1.02	1.05	6.15	97.67	0	0.00	0.00	100.00	NA	NA	100.00	98.45	84.85	NA	99.83	100.00
	Airtel	0.00	0.00	99.99	0.00	0.00	0.27	0.02	99.97	0	0.01	0.00	NA	100.00	100.00	100.00	99.18	NA	95.00	100.00	100.00
	Idea	0.07	0.07	97.97	0.48	1.25	1.93	2.81	95.46	0	0.07	0.08	100.00	NA	NA	100.00	98.23	95.73	NA	100.00	100.00
	loop	0.01	0.00	99.15	0.06	0.04	0.67	1.22	97.99	0	0.01	0.02	NA	100.00	100.00	100.00	99.42	NA	99.13	100.00	100.00
	MTNL GSM	0.62	1.41	97.05	0.30	0.11	1.27	1.86	95.71	0	0.03	0.03	NA	99.90	100.00	100.00	IVR not working	NA	95.46	100.00	100.00
	MTNL CDMA	0.20	1.23	97.11	0.85	0.01	1.43	1.64	97.61	0	NR										
	RCOM CDMA	0.35	0.68	98.06	0.00	0.03	0.70	0.09	99.78	0	0.10	0.02	NA	100.00	100.00	100.00	99.32	NA	83.07	100.00	100.00
	RCOM GSM	0.29	0.37	99.58	0.03	0.10	0.44	0.02	98.89	0	0.10	0.10	NA	100.00	100.00	100.00	98.99	NA	86.18	100.00	100.00
	TATA CDMA	0.02	0.00	98.86	0.00	0.19	0.67	2.36	99.01	0	0.00	0.00	NA	99.65	99.65	100.00	99.61	NA	93.12	100.00	99.40
TATA GSM	0.01	0.00	99.49	0.11	0.33	0.69	3.11	98.06	0	0.00	0.00	NA	99.93	99.93	100.00	99.38	NA	96.18	100.00	98.40	
Vodafone	0.02	0.00	99.46	0.04	0.54	0.96	2.65	97.11	0	0.06	0.00	NA	100.00	NA	100.00	99.99	NA	90.71	100.00	100.00	
MH	Aircel	0.12	0.54	99.25	0.04	0.14	0.75	2.78	97.41	0	0.00	0.00	100.00	NA	NA	100.00	98.04	70.32	NA	100.00	100.00
	Airtel	0.01	0.00	99.87	0.04	0.08	0.45	0.25	98.76	0	0.02	0.00	NA	100.00	100.00	100.00	100.00	NA	98.00	100.00	100.00
	BSNL	1.92	1.86	95.77	0.76	1.80	1.68	2.67	96.06	0	0.01	0.07	100.00	NA	NA	100.00	100.00	77.34	NA	100.00	100.00
	Idea	0.14	0.63	98.48	0.48	0.91	1.14	2.08	97.24	0	0.10	0.04	100.00	NA	NA	100.00	99.22	97.07	NA	100.00	100.00
	RCOM CDMA	0.22	0.48	97.95	0.00	0.03	0.24	1.08	99.80	0	0.10	0.03	NA	100.00	100.00	100.00	99.49	NA	85.95	100.00	100.00
	RCOM GSM	0.27	0.60	99.61	0.02	0.04	0.48	0.02	98.79	0	0.09	0.10	NA	100.00	100.00	100.00	99.29	NA	88.44	100.00	100.00
	TATA CDMA	0.00	0.00	97.99	0.00	0.48	1.10	2.65	99.00	0	0.00	0.00	NA	99.13	99.13	100.00	99.23	NA	96.76	100.00	99.80
	TATA GSM	0.03	0.00	99.69	0.06	0.09	0.65	2.81	97.61	0	0.00	0.00	NA	99.92	99.96	100.00	98.68	NA	96.88	100.00	100.00
	Telewings	0.24	1.40	97.10	0.38	1.55	0.55	1.17	97.60	0	NA	0.01	NA	100.00	NA	NA	95.20	NA	96.63	NA	NA
Vodafone	0.15	0.71	99.49	0.28	0.51	0.82	2.81	97.27	0	0.09	0.02	NA	100.00	NA	100.00	99.97	NA	97.70	100.00	100.00	
MP	Aircel	0.55	1.30	98.45	0.33	0.00	0.83	1.54	99.12	0	0.00	0.00	100.00	NA	NA	100.00	99.00	96.32	NA	100.00	100.00
	Airtel	0.19	0.66	99.51	0.05	0.28	1.12	2.42	95.54	0	0.03	0.00	NA	100.00	100.00	100.00	99.99	NA	99.00	100.00	100.00
	BSNL	1.92	1.66	95.98	0.65	1.65	1.72	2.67	96.70	0	0.01	0.04	100.00	NA	NA	100.00	99.50	98.22	NA	100.00	100.00
	Idea	1.07	1.88	98.35	0.40	0.90	1.08	1.76	97.31	0	0.04	0.01	100.00	NA	NA	100.00	99.33	91.38	NA	100.00	100.00
	RCOM CDMA	0.55	1.34	98.97	0.00	0.00	0.12	0.58	99.83	0	0.10	0.08	NA	100.00	100.00	100.00	98.82	NA	98.38	100.00	100.00
	RTL	0.33	1.10	98.67	0.09	0.20	0.57	0.02	97.94	0	0.10	0.09	NA	100.00	100.00	100.00	98.96	NA	90.44	100.00	100.00
	TATA CDMA	0.03	0.00	98.95	0.00	0.07	0.61	2.21	99.15	0	0.00	0.00	NA	93.75	100.00	100.00	97.41	NA	90.85	100.00	100.00
	TATA GSM	0.02	0.02	98.48	0.06	0.07	0.75	2.01	98.08	0	0.00	0.00	NA	100.00	100.00	100.00	98.93	NA	94.35	100.00	100.00
	Videcon	0.38	1.26	98.74	0.20	0.24	0.67	1.55	97.99	0	NA	0.00	100.00	NA	NA	NA	NA	NA	NA	NA	NA
Vodafone	0.13	0.31	99.63	0.17	0.37	0.80	3.78	98.88	0	0.10	0.06	NA	100.00	NA	100.00	100.00	NA	96.30	100.00	100.00	

Annexure 4.1 (Contd.)

NE	Aircel	12.80	63.11	95.43	3.44	3.64	2.67	27.92	92.50	0	0.00	0.00	100.00	NA	NA	100.00	97.05	91.28	NA	99.54	98.95	
	Airtel	0.33	1.39	97.48	0.55	0.50	1.09	1.03	98.80	0	0.01	0.01	NA	100.00	100.00	100.00	99.96	NA	98.00	100.00	100.00	
	BSNL	5.22	18.66	94.98	3.94	4.67	4.53	15.40	92.29	0	0.05	0.05	84.50	NA	NA	50.00	84.00	87.00	NA	100.00	80.00	
	Idea	1.26	1.08	97.61	0.35	1.45	1.51	2.36	95.33	0	0.00	0.01	100.00	NA	NA	100.00	99.87	98.78	NA	100.00	100.00	
	RTL	0.39	1.46	98.53	0.03	0.33	0.67	0.09	98.36	0	0.07	0.04	NA	100.00	100.00	100.00	98.50	NA	97.53	100.00	100.00	
	Vodafone	1.65	1.87	99.21	0.21	0.79	0.79	2.49	97.82	0	0.24	0.04	NA	100.00	NA	100.00	99.98	NA	100.00	100.00	100.00	
OR	Aircel	1.15	1.92	99.07	0.39	0.66	1.47	2.94	95.05	0	0.02	0.00	100.00	NA	NA	100.00	57.44	93.53	NA	100.00	100.00	
	Airtel	0.18	0.61	98.67	0.29	1.61	1.19	1.97	96.12	0	0.01	0.00	NA	100.00	100.00	100.00	100.00	NA	98.00	100.00	100.00	
	BSNL	0.45	0.94	98.59	0.66	1.41	1.91	2.88	98.00	0	0.00	0.00	1.00	NA	NA	100.00	95.00	98.02	NA	100.00	60.00	
	Idea	0.30	0.98	99.22	0.38	0.06	0.47	1.32	95.91	0	0.00	0.03	100.00	NA	NA	100.00	99.16	94.66	NA	100.00	100.00	
	RCOM CDMA	0.28	0.63	99.40	0.00	0.00	0.38	2.92	99.77	0	0.09	0.03	NA	100.00	100.00	100.00	98.95	NA	90.14	100.00	100.00	
	RTL	0.11	0.42	97.41	0.27	1.17	0.54	0.03	98.12	0	0.09	0.08	NA	100.00	100.00	100.00	98.89	NA	93.68	100.00	100.00	
	TATA CDMA	0.08	0.00	98.53	0.00	0.08	0.85	2.03	98.25	0	0.00	0.00	NA	100.00	100.00	100.00	98.43	NA	95.36	100.00	100.00	
	TATA GSM	0.03	0.07	98.06	0.07	0.38	0.51	0.69	97.58	0	0.01	0.00	NA	99.74	100.00	100.00	95.67	NA	86.37	100.00	100.00	
	Vodafone	0.16	0.63	99.59	0.20	0.41	0.77	2.59	98.14	0	0.05	0.08	NA	100.00	NA	100.00	99.98	NA	98.72	100.00	100.00	
PB	Aircel	0.27	0.56	97.33	0.44	1.42	0.87	4.51	96.80	0	0.00	0.00	100.00	NA	NA	100.00	99.18	92.02	NA	100.00	100.00	
	Airtel	0.07	0.03	99.38	0.08	0.08	0.45	0.77	98.53	0	0.07	0.00	NA	100.00	100.00	100.00	97.28	NA	97.00	100.00	100.00	
	BSNL	0.41	1.93	95.76	0.61	1.59	1.81	21.76	95.25	0	0.00	0.00	NR	NA	NA	NR	NR	NR	NR	NA	100.00	100.00
	Idea	0.08	0.18	98.63	0.07	0.14	0.65	0.41	97.32	0	0.05	0.01	100.00	NA	NA	100.00	99.89	94.61	NA	100.00	100.00	
	QTL cdma	0.55	0.00	98.72	0.58	1.00	0.57	0.34	97.69	0	0.00	0.00	NA	100.00	100.00	100.00	97.00	NA	96.00	100.00	100.00	
	QTL gsm	0.13	0.19	97.83	0.10	0.47	1.13	1.59	96.92	0	0.00	0.00	NA	100.00	100.00	100.00	100.00	NA	95.90	100.00	100.00	
	RCOM CDMA	0.19	0.05	98.42	0.00	0.09	0.13	0.09	99.72	0	0.09	0.03	NA	100.00	100.00	100.00	98.79	NA	95.00	100.00	100.00	
	RCOM GSM	0.19	0.24	99.56	0.02	0.04	0.32	0.01	98.84	0	0.09	0.10	NA	100.00	100.00	100.00	98.69	NA	93.28	100.00	100.00	
	TATA CDMA	0.04	0.00	98.66	0.00	0.26	0.52	0.94	99.02	0	0.01	0.00	NA	100.00	100.00	100.00	98.85	NA	94.56	100.00	100.00	
	TATA GSM	0.05	0.00	98.86	0.02	0.18	0.70	2.23	96.98	0	0.01	0.00	NA	100.00	100.00	100.00	99.11	NA	90.53	100.00	100.00	
Vodafone	0.04	0.04	99.81	0.03	0.19	0.63	1.58	97.95	0	0.05	0.00	NA	100.00	NA	100.00	100.00	NA	99.77	100.00	100.00		
RAJ	Aircel	0.25	1.45	96.69	0.27	0.74	0.90	2.88	96.71	0	0.01	0.00	100.00	NA	NA	100.00	98.14	81.70	NA	100.00	100.00	
	Airtel	0.09	0.16	98.82	0.26	0.38	1.02	1.68	98.82	0	0.02	0.00	NA	100.00	100.00	100.00	100.00	NA	98.00	100.00	100.00	
	BSNL	1.73	1.83	98.69	0.65	1.51	1.51	2.81	98.34	0	0.00	NR	NR	NA	NA	NR	97.23	NR	NA	100.00	100.00	
	Idea	0.12	0.16	99.25	0.33	0.37	1.32	2.46	95.70	0	0.08	0.01	100.00	NA	NA	100.00	99.38	98.18	NA	100.00	100.00	
	MTS	0.07	0.10	99.08	0.00	0.18	0.75	1.15	99.17	0	0.07	0.02	NA	100.00	100.00	100.00	96.94	NA	96.97	100.00	100.00	
	RCOM CDMA	0.33	0.57	98.93	0.00	0.01	0.15	0.62	99.72	0	0.10	0.07	NA	100.00	100.00	100.00	98.09	NA	97.83	100.00	100.00	
	RCOM GSM	0.27	0.52	99.57	0.02	0.07	0.40	0.03	98.62	0	0.09	0.10	NA	100.00	100.00	100.00	98.95	NA	98.49	100.00	100.00	
	TATA CDMA	0.09	0.09	97.14	0.00	1.63	0.68	1.15	98.83	0	0.00	0.00	NA	100.00	100.00	100.00	96.23	NA	94.20	100.00	100.00	
	TATA GSM	0.18	0.14	98.44	0.05	0.07	0.87	1.70	98.29	0	0.00	0.00	NA	100.00	100.00	100.00	99.18	NA	94.31	100.00	100.00	
	Vodafone	0.06	0.26	99.75	0.15	0.25	0.80	2.55	97.07	0	0.06	0.02	NA	100.00	NA	100.00	100.00	NA	98.34	100.00	100.00	

Annexure 4.1 (Contd.)

TN	Aircel	0.32	1.23	98.91	0.34	0.67	1.03	5.63	95.13	0	0.00	0.01	100.00	NA	NA	100.00	96.33	94.05	NA	99.89	100.00
	Airtel	0.01	0.01	99.79	0.08	0.06	0.18	0.35	99.69	0	0.01	0.00	NA	100.00	100.00	100.00	100.00	NA	97.00	99.96	100.00
	BSNL	0.46	1.48	98.95	0.13	0.68	0.84	1.75	97.53	0	0.04	0.01	100.00	NA	NA	100.00	100.00	91.00	NA	100.00	100.00
	Idea	0.02	0.00	99.56	0.09	0.09	0.29	0.90	97.10	0	0.03	0.02	100.00	NA	NA	100.00	99.51	98.61	NA	100.00	100.00
	MTS	0.06	0.10	99.32	0.00	0.09	0.42	1.38	99.20	0	0.00	0.01	NA	100.00	100.00	100.00	98.50	NA	96.54	100.00	NA
	RCOM CDMA	Incl in CHN																			
	RCOM GSM	Incl in CHN																			
	TATA CDMA	0.07	0.00	98.99	0.00	0.03	0.44	0.47	98.85	0	0.00	0.00	NA	100.00	100.00	100.00	99.30	NA	98.10	100.00	98.30
	TATA GSM	0.06	0.15	99.61	0.13	0.39	0.69	2.72	97.65	0	0.00	0.00	NA	99.64	99.76	100.00	99.32	NA	94.55	100.00	99.70
Vodafone	0.03	0.06	99.53	0.04	0.04	0.71	1.18	98.58	0	0.03	0.00	NA	100.00	NA	100.00	100.00	NA	97.80	100.00	100.00	
UPE	Aircel	0.45	2.69	98.42	1.10	1.05	0.80	4.85	96.59	0	0.02	0.00	100.00	NA	NA	100.00	96.28	94.54	NA	100.00	100.00
	Airtel	0.62	1.67	98.29	0.53	0.67	0.85	2.81	97.34	0	0.01	0.00	NA	100.00	100.00	100.00	100.00	NA	97.69	100.00	100.00
	BSNL	1.80	1.81	97.17	0.83	1.80	1.68	2.50	96.50	0	0.09	0.08	100.00	NA	NA	100.00	100.00	85.29	NA	100.00	100.00
	Idea	0.34	1.23	98.33	0.54	1.67	1.07	2.82	96.86	0	0.10	0.01	100.00	NA	NA	100.00	100.00	99.60	NA	100.00	100.00
	RCOM CDMA	0.39	1.13	96.81	0.00	0.11	0.54	2.05	99.84	0	0.10	0.06	NA	100.00	100.00	100.00	97.35	NA	96.42	100.00	100.00
	RCOM GSM	0.25	0.52	99.36	0.04	0.10	0.51	0.03	98.85	0	0.08	0.10	NA	100.00	100.00	100.00	98.79	NA	96.75	100.00	100.00
	TATA CDMA	0.08	0.00	98.00	0.00	0.72	0.64	1.27	99.05	0	0.00	0.00	NA	100.00	100.00	100.00	99.27	NA	96.67	100.00	100.00
	TATA GSM	0.28	1.44	96.29	0.36	1.86	1.04	3.26	97.20	0	0.00	0.00	NA	100.00	100.00	100.00	99.35	NA	98.02	100.00	99.80
	Telewings	0.52	1.83	97.41	0.56	1.52	0.76	2.57	92.85	0	NA	0.01	NA	100.00	NA	NA	96.90	NA	98.56	NA	NA
Vodafone	0.24	0.91	99.14	0.36	0.86	1.44	9.00	96.33	2	0.04	0.02	NA	100.00	NA	100.00	100.00	NA	98.11	100.00	100.00	
UPW	Aircel	0.45	1.32	99.02	0.49	0.71	0.76	5.72	97.10	0	0.00	0.00	100.00	NA	NA	100.00	98.35	93.45	NA	100.00	100.00
	Airtel	0.96	1.56	97.77	0.45	1.31	1.32	2.60	97.61	0	0.02	0.00	NA	100.00	100.00	100.00	99.99	NA	97.47	100.00	100.00
	BSNL	0.93	1.22	96.85	0.62	1.31	1.21	2.10	96.31	0	0.00	0.00	56.50	NA	NA	50.00	98.50	60.00	NA	100.00	100.00
	Idea	0.19	0.28	99.98	0.78	1.70	1.03	2.39	95.90	0	0.03	0.00	100.00	NA	NA	100.00	99.56	96.92	NA	100.00	100.00
	MTS	0.04	0.00	99.55	0.00	0.00	0.55	1.78	99.17	0	0.03	0.03	NA	100.00	100.00	100.00	95.82	NA	98.99	100.00	100.00
	RCOM CDMA	0.44	1.30	98.38	0.00	0.06	0.33	1.49	99.78	0	0.09	0.05	NA	100.00	100.00	100.00	97.95	NA	96.48	100.00	100.00
	RCOM GSM	0.40	1.09	99.46	0.03	0.07	0.42	0.05	98.69	0	0.08	0.10	NA	100.00	100.00	100.00	97.98	NA	96.58	100.00	100.00
	TATA CDMA	0.06	0.06	99.09	0.00	0.08	0.53	1.31	98.91	0	0.00	0.00	NA	100.00	100.00	100.00	98.95	NA	95.54	100.00	99.80
	TATA GSM	0.26	1.44	98.30	0.15	0.46	0.94	2.91	97.31	0	0.00	0.00	NA	100.00	100.00	100.00	99.35	NA	91.95	100.00	100.00
Telewings	0.33	1.45	97.28	0.78	1.57	0.54	2.02	94.57	0	NA	0.01	NA	100.00	NA	NA	95.71	NA	97.00	NA	NA	
Vodafone	0.28	0.67	99.47	0.24	0.53	0.88	2.75	97.39	0	0.09	0.02	NA	100.00	NA	100.00	100.00	NA	97.77	100.00	100.00	
WB	Aircel	2.01	9.39	97.26	0.89	2.56	1.69	10.61	95.16	0	0.00	0.00	100.00	NA	NA	100.00	98.75	95.94	NA	100.00	100.00
	Airtel	0.02	0.03	98.80	0.21	1.73	1.18	1.55	95.78	0	0.01	0.00	NA	100.00	100.00	100.00	100.00	NA	99.00	100.00	100.00
	BSNL	4.40	17.75	98.33	0.74	1.01	1.88	8.26	95.87	0	0.03	0.24	71.50	NA	NA	50.00	100.00	83.15	NA	98.82	100.00
	Idea	0.13	0.67	98.35	0.09	0.67	0.44	1.87	95.77	0	0.04	0.03	100.00	NA	NA	100.00	99.02	97.40	NA	99.35	100.00
	MTS	0.29	0.00	99.35	0.00	0.34	0.85	2.51	99.86	0	0.02	0.02	NA	100.00	100.00	100.00	97.05	NA	96.59	100.00	100.00
	RCOM CDMA	0.30	0.86	98.54	0.00	0.06	0.32	1.22	99.67	0	0.07	0.07	NA	100.00	100.00	100.00	99.30	NA	95.52	100.00	100.00
	RTL	0.32	1.17	98.69	0.02	0.17	0.65	0.09	98.20	0	0.08	0.09	NA	100.00	100.00	100.00	98.98	NA	97.28	100.00	100.00
	TATA CDMA	0.04	0.00	97.84	0.00	0.01	0.60	1.38	98.02	0	0.00	0.00	NA	100.00	100.00	100.00	99.43	NA	97.07	100.00	100.00
	TATA GSM	0.17	0.81	98.17	0.19	0.82	0.70	1.17	97.75	0	0.00	0.00	NA	100.00	100.00	100.00	96.88	NA	89.77	100.00	100.00
Vodafone	0.04	0.24	99.36	0.15	0.64	0.87	2.95	95.21	0	0.03	0.03	NA	100.00	NA	100.00	100.00	NA	97.46	100.00	100.00	

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

Performance Monitoring Report on Quality of Service of Cellular Mobile Service Providers for quarter ending, September , 2014										
Name of the Service Area / City	Name of Service Provider	Network Availability		Connection Establishment (Accessibility)			Connection Maintenance (Retainability)			POI
		Node-B's Accumulated downtime (not available for service) (%age)	Worst affected Node-B's due to downtime (%age)	Call Set-up Success Rate (within licensee's own network)	SDCCH/Paging Channel and RRC Congestion (%age)	TCH and Circuit Switched RAB Congestion (%age)	Call Drop and Circuit Switched Voice Drop Rate: (%age)	Worst affected cells having more than 3% TCH drop (call drop) and Circuit Switched Voice Drop Rate:-CBBH	Connections with good voice quality and Circuit Switch Voice Quality (CSV quality)	Point of Interconnection (POI) Congestion
		1	2	3	4	5	6	7	8	9
	Benchmark	≤ 2%	≤ 2%	≥ 95%	≤ 1%	≤ 2%	≤ 2%	≤ 3%	≥ 95%	≤ 0.5%
AP	Aircel	0.18	1.32	99.15	0.46	0.40	0.56	6.14	99.78	0
	Airtel	0.15	0.40	98.87	0.22	0.00	0.58	2.42	99.06	0
	BSNL	1.03	1.90	97.33	0.77	1.33	0.73	2.77	99.83	0
	IDEA	0.03	0.12	99.57	0.02	0.07	0.42	0.47	99.80	0
ASM	BSNL	1.83	1.93	95.33	0.00	0.00	1.57	2.77	95.23	0
	Aircel	5.05	31.07	98.41	0.35	0.08	1.40	13.77	99.43	0
	Airtel	0.28	0.61	97.55	0.73	0.28	0.55	1.38	99.09	0
	RTL	1.12	1.61	96.37	0.06	0.01	1.13	1.47	99.82	0
BH	Aircel	2.09	11.90	98.82	0.38	0.07	1.31	13.95	99.14	0
	Airtel	0.17	1.37	99.57	0.03	0.31	0.57	1.11	99.57	0
	RTL	0.89	1.27	96.59	0.58	0.06	1.13	1.36	99.80	0
	BSNL	7.33	31.08	96.50	0.08	0.62	1.52	11.98	96.23	0
CHN	Aircel	0.49	3.02	98.08	0.14	0.34	0.81	7.60	97.79	0
	Airtel	0.06	0.08	99.37	0.16	0.56	0.38	2.47	99.60	0
	BSNL	0.80	1.90	98.00	0.40	1.80	1.20	1.90	96.37	0
	Vodafone	0.04	0.00	99.77	0.19	0.04	0.32	0.72	98.95	0
DLI	Airtel	0.27	1.48	98.67	0.15	0.19	0.56	2.74	98.98	0
	MTNL	0.80	1.80	96.48	0.77	1.60	1.73	2.33	96.30	0
	RCOM	0.45	1.63	98.97	0.34	0.62	0.56	1.56	99.68	0
	Vodafone	0.16	0.84	98.81	0.06	0.07	0.75	2.83	99.07	0
GJ	BSNL	1.77	1.67	96.00	0.70	1.23	1.60	2.57	100.00	0
	IDEA	0.08	0.30	99.28	0.84	0.63	0.50	1.19	99.10	0
	Tata	0.30	0.00	97.33	0.36	1.08	0.59	1.06	99.74	0
	vodafone	0.04	0.08	99.80	0.08	0.05	0.21	0.13	98.97	0
HP	Airtel	0.04	0.00	99.23	0.27	0.00	0.64	1.88	98.81	0
	BSNL	1.93	1.57	97.00	0.90	1.80	1.80	2.80	96.53	0
	IDEA	0.09	0.00	99.37	0.21	0.09	0.98	1.62	98.88	0
	RTL	0.69	1.57	98.27	0.00	0.00	0.46	0.80	99.91	0
HR	BSNL	1.69	1.29	96.86	0.77	1.02	1.63	2.23	96.65	1
	IDEA	0.09	0.00	99.56	0.34	0.09	0.66	1.36	98.96	0
	Tata	0.03	0.00	98.52	0.69	0.97	0.33	0.74	99.18	0
	Vodafone	0.07	0.12	99.84	0.13	0.03	0.40	0.34	98.98	0

Annexure 4.2 (Contd.)

J&K	Aircel	2.43	17.31	98.33	1.10	0.22	1.66	14.77	99.03	1
	Airtel	0.15	0.27	99.24	0.40	0.00	0.78	1.28	99.03	0
	RCOM	1.28	1.53	98.25	0.03	0.45	1.48	1.99	99.33	0
	BSNL	1.20	1.93	97.33	0.87	1.63	1.43	2.57	97.40	0
	IDEA	0.37	1.08	99.06	0.65	0.38	1.71	2.27	98.98	0
KOL	Aircel	0.64	1.87	99.80	0.16	0.03	0.25	2.80	99.06	0
	BSNL	2.00	1.91	99.27	0.81	0.75	0.48	2.65	99.51	0
	RTL	0.32	1.39	96.54	0.34	0.01	0.93	1.61	99.83	0
	Vodafone	0.06	0.15	99.82	0.02	0.01	0.31	0.41	99.03	0
KR	Aircel	0.00	0.00	100.00	0.14	0.04	0.25	0.02	99.96	0
	BSNL	0.53	0.23	97.33	0.07	0.67	1.10	0.10	99.90	0
	IDEA	0.09	0.00	99.45	0.70	0.42	0.31	2.29	97.95	0
	Tata	0.19	0.00	98.06	0.69	0.69	0.33	0.03	99.81	0
KTK	Aircel	0.18	0.08	98.51	0.82	0.67	0.80	8.63	99.76	0
	Airtel	0.06	0.24	98.87	0.04	0.37	0.32	1.91	99.70	0
	BSNL	0.63	1.80	98.67	0.33	0.30	1.07	1.50	97.73	0
	Tata	0.10	0.30	98.60	0.94	0.73	0.55	1.84	99.12	0
MBI	Airtel	0.01	0.00	99.98	0.00	0.00	0.17	0.05	99.91	0
	MTNL	0.50	1.27	98.23	0.43	0.93	1.40	2.27	99.06	0
	RCOM	0.67	1.72	97.41	0.34	0.58	0.73	1.71	99.68	0
	Vodafone	0.03	0.00	99.31	0.00	0.00	0.46	1.22	99.02	0
MH	BSNL	1.91	1.82	95.96	0.00	1.84	1.72	2.64	97.05	0
	IDEA	0.08	0.25	99.30	0.35	0.22	0.86	1.56	99.13	0
	Tata	0.02	0.00	95.42	1.95	1.55	0.94	2.81	99.99	0
	Vodafone	0.16	0.37	99.76	0.28	0.07	0.29	0.59	98.93	0
MP	BSNL	1.70	1.13	96.00	0.71	1.53	1.62	2.63	96.60	0
	IDEA	0.09	0.27	99.61	0.29	0.14	0.93	2.25	98.97	0
	RTL	0.68	1.69	96.70	0.38	0.11	0.84	1.91	99.81	0
	Tata	0.38	0.00	98.26	0.38	0.75	0.83	0.93	99.73	0
NE	Aircel	16.94	66.40	96.47	0.87	0.14	1.87	17.60	99.12	0
	Airtel	1.09	1.24	96.36	0.46	1.31	1.03	1.04	99.03	0
	BSNL	3.55	13.52	93.50	3.88	2.90	1.63	6.25	96.85	0
	RTL	1.40	1.51	96.16	0.04	0.01	1.51	1.85	99.78	0
OR	Aircel	1.21	4.73	98.56	0.24	0.04	1.34	16.32	99.09	0
	BSNL	0.60	1.67	96.00	0.97	1.60	0.77	2.23	98.00	0
	RTL	0.52	1.63	96.65	0.01	0.02	0.77	1.33	99.84	0

Annexure 4.2 (Contd.)

PB	Aircel	0.31	1.20	98.18	0.27	0.00	0.98	11.65	99.26	0
	BSNL	0.27	1.83	95.36	0.96	1.55	1.84	2.91	95.58	0
	IDEA	0.19	0.75	99.46	0.31	0.32	0.85	1.66	99.41	0
	RCOM	0.49	1.41	98.53	0.14	0.33	0.34	1.58	99.72	0
	Tata	0.06	0.07	99.15	0.34	0.38	0.49	1.34	99.07	0
RAJ	Airtel	0.15	0.37	99.17	0.18	0.08	0.57	1.82	98.98	0
	RCOM	0.61	1.23	97.52	0.56	0.82	0.40	1.33	99.74	0
	BSNL	1.87	1.90	99.00	0.00	0.00	1.47	2.93	98.33	0
	Tata	0.00	0.00	100.00	0.00	0.00	0.00	0.00	100.00	0
TN	Aircel	0.59	1.50	99.01	0.43	0.14	0.63	7.31	98.26	0
	Airtel	0.05	0.04	99.77	0.03	0.13	0.25	2.29	99.51	0
	BSNL	0.50	1.60	97.67	0.13	0.77	0.17	1.03	99.60	0
	Vodafone	0.05	0.13	99.83	0.02	0.01	0.29	0.50	99.01	0
UPE	Aircel	0.35	1.34	99.83	0.09	0.05	0.60	7.19	99.91	0
	BSNL	1.82	1.80	95.17	1.00	2.00	1.92	0.00	96.50	0
	IDEA	0.33	1.46	99.44	0.03	0.01	0.46	2.91	99.01	0
	Vodafone	0.33	2.07	99.90	0.01	0.00	0.24	0.45	99.01	2
UPW	Airtel	0.94	1.73	98.64	0.17	0.02	0.77	2.97	98.66	0
	BSNL	1.62	1.92	97.31	0.89	1.34	1.67	2.94	97.34	0
	IDEA	0.39	1.50	99.35	0.47	0.23	0.40	1.27	98.49	0
	Tata	0.29	1.67	99.52	0.34	0.14	0.30	0.63	99.21	0
WB	Aircel	1.28	8.86	99.68	0.07	0.00	0.41	5.41	98.85	0
	Airtel	0.08	0.20	99.75	0.05	0.30	0.51	2.91	99.59	0
	BSNL	1.86	13.40	92.73	0.48	0.58	1.28	3.80	80.00	0
	RTL	0.72	1.50	97.41	0.29	0.05	1.03	1.77	99.82	0
	Vodafone	0.24	1.57	99.88	0.00	0.01	0.28	0.44	98.98	0

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

Quarterly Performance Monitoring Report (PMR) on QoS of Basic Telephone Service (Wireline) for QE SEP.,2014																		
Name of Service Area	Name of Service Provider	Faults incidences (No. of faults/ 100 Subs./month)	Fault Repair				Rent Rebate	Mean Time to Repair (MTTR)	POI	Metering and Billing					Response time to the customer for		Termination / closure of service	
			% of faults repaired by next working day	% of faults repaired within 5 days	% of faults repaired by next working day	% of faults repaired within 7 days				Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark	Metering and BillingCredibility - post paid	Metering and billing credibility - pre paid	Resolution of billing/ charging/ validity complaints	Period of applying credit/ waiver / adjustment to customer's account from the date of resolution of complaints	Accessibility of call centre/ customer care	Percentage of calls answered by the operators (voice to voice) within 90 seconds	%age requests for Termination / Closure of service complied within 7 days	Time taken for refund of deposits after closures
		≤7	For urban areas by next working	For urban areas: ≥ 100%	For rural and hilly areas: ≥ 75%	For rural and hilly areas: ≥ 100%		≤ 10 Hrs	≤ 0.5%	≤ 0.1%	≤ 0.1%	98% within 4 weeks	100% within 6 weeks	1 week of resolution of complaint	≥ 95%	≥ 95%	100% within 7 days	100% within 60 days
A&N	BSNL	3.00	90.00%	100.00%	90.00%	100.00%	3.00	7.00	0.00	0.00%	0.00%	98.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
AP	Reliance	1.33	100.00%	100.00%	NA	NA		4.14	0.00	0.00%	NA	100.00%	NA	100.00%	96.17%	96.17%	100.00%	100.00%
	TTSL	4.00	96.00%	100.00%	NA	NA	0.00	5.00	0.00	0.02%	NA	100.00%	NA	100.00%	100.00%	91.00%	100.00%	100.00%
	Vodafone	0.20	100.00%	NA	NA	NA	0	1:08:00 AM	0.00	0.00%	NA	NA	NA	NA	99.29%	97.94%	NA	NA
	Bharti	2.96	93.30%	100.00%	NA	NA	0	3.57	0.00	0.02%	NA	100.00%	100.00%	100.00%	99.74%	97.00%	100.00%	100.00%
	BSNL	4.00	92.00%	100.00%	85.00%	100.00%	406.00	8.00	0.00	0.02%	0.00%	100.00%	100.00%	100.00%	98.76%	97.33%	100.00%	100.00%
ASM	Vodafone	3.70	96.43%	100.00%	NA	NA	NA	3:58:00 AM	0.00	0.00%	NA	NA	NA	NA	99.29%	97.94%	NA	NA
	BSNL	4.00	97.00%	100.00%	96.00%	100.00%	228.00	3.00	0.00	0.08%	0.00%	100.00%	NA	100.00%	99.12%	93.33%	100.00%	100.00%
BH	Reliance	0.00	NA	NA	NA	NA		0.00	0.00	0.00%	NA	NA	NA	NA	96.17%	96.17%	100.00%	100.00%
	TTSL	0.00	100.00%	100.00%	NA	NA	0	3.00	0.00	0.00%	NA	NA	NA	100.00%	96.00%	62.00%	100.00%	NA
	Vodafone	0.70	100.00%	NA	NA	NA		12:41:00 AM	0.00	0.00%	NA	NA	NA	NA	99.29%	97.94%	NA	NA
	BSNL	3.00	96.00%	100.00%	95.00%	100.00%	0	4.00	2.00	0.00%	0.00%	100.00%	100.00%	100.00%	99.11%	44.00%	100.00%	100.00%
Chattisgarh	BSNL	4.00	98.00%	100.00%	98.00%	100.00%	511	5.00	0.00	0.01%	0.01%	99.00%	100.00%	100.00%	96.16%	79.00%	100.00%	100.00%
CN	Reliance	0.52	100.00%	100.00%	NA	NA		4.43	0.00	0.01%	NA	100.00%	NA	100.00%	96.17%	96.17%	100.00%	100.00%
	Vodafone	0.50	100.00%	NA	NA	NA		2:05:00 AM	0.00	0.00%	NA	NA	NA	NA	99.29%	97.94%	100.00%	NA
	BSNL	4.00	96.00%	100.00%	96.00%	100.00%	830	7.00	0.00	0.00%	0.00%	100.00%	100.00%	100.00%	98.40%	94.33%	100.00%	100.00%
DEL	Reliance	0.72	100.00%	100.00%	NA	NA		4.36	0.00	0.01%	NA	100.00%	NA	100.00%	96.17%	96.17%	100.00%	100.00%
	TTSL	1.00	99.00%	100.00%	NA	NA	0	9.00	0.00	0.05%	NA	100.00%	NA	100.00%	100.00%	93.00%	100.00%	100.00%
	Vodafone	0.30	98.96%	100.00%	NA	NA		1:56:00 AM	0.00	0.00%	NA	NA	NA	NA	99.29%	97.94%	100.00%	NA
	Bharti	4.03	91.94%	100.00%	NA	NA	0	4.42	0.00	0.01%	NA	100.00%	100.00%	100.00%	100.00%	99.00%	100.00%	100.00%
	MTNL	8.48	83.68%	97.49%	NA	NA	17018	5.16	0.00	0.05%	0.00%	99.98%	100.00%	100.00%	99.36%	99.76%	100.00%	100.00%
GUJ	Reliance	1.68	100.00%	100.00%	NA	NA		4.07	0.00	0.01%	NA	100.00%	NA	100.00%	96.17%	96.17%	100.00%	100.00%
	TTSL	2.00	92.00%	100.00%	NA	NA	0	9.00	0.00	0.02%	NA	100.00%	NA	100.00%	99.00%	94.00%	100.00%	100.00%
	Vodafone	0.80	97.87%	100.00%	NA	NA		3:05:00 AM	0.00	0.00%	NA	NA	NA	NA	99.29%	97.94%	NA	NA
	Bharti	1.11	92.99%	100.00%	NA	NA	0	5.64	0.00	0.01%	NA	100.00%	100.00%	100.00%	99.98%	97.00%	100.00%	100.00%
	BSNL	5.00	96.00%	100.00%	96.00%	100.00%	586.00	5.00	0.00	0.03%	0.00%	100.00%	NA	100.00%	96.10%	87.33%	100.00%	100.00%

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HP	Reliance	0.00	NA	NA	NA	NA		0.00	0.00	0.00%	NA	NA	NA	NA	96.17%	96.17%	100.00%	100.00%
	BSNL	4.00	93.00%	100.00%	95.00%	100.00%	490.00	6.00	0.00	0.04%	0.01%	98.60%	100.00%	100.00%	96.33%	93.33%	100.00%	100.00%
HR	Vodafone	1.10	100.00%	NA	NA	NA		12:00:00 AM	0.00	0.00%	NA	NA	NA	NA	99.29%	97.94%	NA	NA
	Reliance	0.00	NA	NA	NA	NA		0	0.00	0.00%	NA	NA	NA	NA	96.17%	96.17%	100.00%	100.00%
	TTSL	0.00	78.00%	100.00%	NA	NA	0	16.00	0.00	0.00%	NA	NA	NA	100.00%	99.00%	90.00%	100.00%	NA
	Bharti	4.82	95.96%	100.00%	NA	NA	0	3.63	0.00	0.01%	NA	100.00%	100.00%	100.00%	99.77%	99.00%	100.00%	100.00%
	BSNL	5.00	97.00%	100.00%	97.00%	100.00%	452	6	0.00	0.05%	0.00%	100.00%	NA	100.00%	95.87%	97.67%	100.00%	100.00%
J&K	BSNL	4.00	97.00%	100.00%	88.00%	100.00%	37	7	0.00	0.01%	NR	98.00%	100.00%	100.00%	95.65%	95.67%	100.00%	100.00%
JHAR	BSNL	3.00	97.00%	100.00%	97.00%	100.00%	154	6	0.00	0.10%	NR	98.00%	100.00%	100.00%	99.06%	77.67%	100.00%	100.00%
KER	Vodafone	0.70	100.00%	NA	NA	NA		1:03:00 AM	0.00	0.00%	NA	NA	NA	NA	99.29%	97.94%	NA	NA
	Reliance	0.94	100.00%	100.00%	NA	NA		4.21	0.00	0.00%	NA	100.00%	NA	100.00%	96.17%	96.17%	100.00%	100.00%
	TTSL	0.00	60.00%	100.00%	NA	NA	0	26	0.00	0.00%	NA	NA	NA	100.00%	99.00%	95.00%	NA	NA
	Bharti	1.48	93.94%	100.00%	NA	NA	0	3.5	0.00	0.00%	NA	100.00%	100.00%	100.00%	98.14%	97.00%	100.00%	100.00%
	BSNL	5.00	92.00%	100.00%	90.00%	100.00%	883	7	1.00	0.02%	0.00%	100.00%	100.00%	100.00%	98.75%	100.00%	100.00%	100.00%
KOL	Vodafone	0.30	100.00%	NA	NA	NA		2:54:00 AM	0.00	0.00%	NA	NA	NA	NA	99.29%	97.94%	100.00%	NA
	Reliance	0.78	100.00%	100.00%	NA	NA		4.09	0.00	0.01%	NA	100.00%	NA	100.00%	96.17%	96.17%	100.00%	100.00%
	TTSL	0.00	97.00%	100.00%	NA	NA	0	6	0.00	0.00%	NA	NA	NA	100.00%	97.00%	75.00%	NA	NA
	Bharti	3.70	90.54%	100.00%	NA	NA	0	5.49	0.00	0.00%	NA	100.00%	100.00%	100.00%	97.43%	98.00%	100.00%	100.00%
	BSNL	5.00	91.00%	100.00%	NA	NA	206	8	0.00	0.00%	0.00%	99.45%	100.00%	100.00%	99.21%	91.33%	100.00%	100.00%
KTK	Vodafone	0.60	98.15%	100.00%	NA	NA		2:27:00 AM	0.00	0.00%	NA	NA	NA	NA	99.29%	97.94%	NA	NA
	Reliance	1.16	100.00%	100.00%	NA	NA		4.14	0.00	0.01%	NA	100.00%	NA	100.00%	96.17%	96.17%	100.00%	100.00%
	TTSL	0.00	93.00%	100.00%	NA	NA	0	16	0.00	0.10%	NA	100.00%	NA	100.00%	100.00%	89.00%	100.00%	NA
	Bharti	2.75	89.00%	100.00%	NA	NA	0	3.68	0.00	0.01%	NA	100.00%	100.00%	100.00%	95.39%	97.00%	100.00%	100.00%
	BSNL	4.00	96.00%	100.00%	97.00%	100.00%	2571	6	0.00	0.04%	NR	99.84%	100.00%	100.00%	97.52%	76.67%	100.00%	100.00%
MH	Bharti	0.69	98.35%	100.00%	NA	NA	0	2.89	0.00	0.00%	NA	100.00%	100.00%	100.00%	100.00%	97.00%	100.00%	100.00%
	BSNL	5.00	92.00%	100.00%	87.00%	100.00%	257	6	0.00	0.01%	NR	100.00%	100.00%	100.00%	94.96%	99.00%	100.00%	100.00%
	Reliance	0.73	100.00%	100.00%	NA	NA		4.15	0.00	0.01%	NA	100.00%	NA	100.00%	96.17%	96.17%	100.00%	100.00%
	Vodafone	0.20	98.08%	100.00%	NA	NA		2:52:00 AM	0.00	0.00%	NA	NA	NA	NA	99.29%	97.94%	NA	NA
	TTSL	1.00	95.00%	100.00%	NA	NA	0	7	0.00	0.05%	NA	97.00%	100.00%	100.00%	99.00%	66.00%	100.00%	NA
MP	Vodafone	1.00	100.00%	NA	NA	NA		12:37:00 AM	0.00	0.00%	NA	NA	NA	NA	99.29%	97.94%	NA	NA
	Reliance	1.68	100.00%	100.00%	NA	NA		4.13	0.00	0.01%	NA	100.00%	NA	100.00%	96.17%	96.17%	100.00%	100.00%
	TTSL	2.00	99.00%	100.00%	NA	NA	0	3	0.00	0.12%	NA	100.00%	NA	100.00%	99.00%	88.00%	100.00%	NA
	Bharti	4.81	96.32%	100.00%	NA	NA	0	3.29	0.00	0.02%	NA	100.00%	100.00%	100.00%	99.39%	99.00%	100.00%	100.00%
	BSNL	4.00	91.00%	100.00%	88.00%	100.00%	1207	3	0.00	0.09%	0.00%	100.00%	NA	100.00%	96.00%	98.00%	100.00%	100.00%
MUM	Vodafone	0.20	98.25%	100.00%	NA	NA		2:08:00 AM	0.00	0.00%	NA	NA	NA	NA	99.29%	97.94%	NA	NA
	Bharti	0.40	95.47%	100.00%	NA	NA	0	4.37	0.00	0.00%	NA	100.00%	100.00%	100.00%	99.79%	97.00%	100.00%	100.00%
	MTNL	6.80	92.06%	99.66%	NA	NA	37141	6.52	0.00	0.03%	0.00%	99.40%	100.00%	100.00%	99.58%	96.76%	99.65%	100.00%
	Reliance	1.03	100.00%	100.00%	NA	NA		4.15	0.00	0.01%	NA	100.00%	NA	100.00%	96.17%	96.17%	100.00%	100.00%
	TTSL	2.00	89.00%	100.00%	NA	NA	0	22	0.00	0.00%	NA	100.00%	NA	100.00%	99.00%	74.00%	100.00%	100.00%

Annexure 4.3 (Contd.)

NE	Vodafone	0.00	NA	NA	NA	NA		0	0.00	0.00%	NA	NA	NA	NA	99.29%	97.94%	NA	NA
NE-I	BSNL	4.00	95.00%	100.00%	91.00%	100.00%	186	7	0.00	0.10%	0.00%	98.00%	100.00%	100.00%	95.78%	92.33%	100.00%	100.00%
NE-II	BSNL	3.00	97.00%	100.00%	100.00%	100.00%	182	6	0.00	0.01%	0.00%	100.00%	100.00%	100.00%	96.54%	90.33%	100.00%	100.00%
OR	Reliance	0.00	NA	NA	NA	NA		0	0.00	0.00%	NA	NA	NA	NA	96.17%	96.17%	100.00%	100.00%
	TTSL	1.00	97.00%	100.00%	NA	NA	0	3	0.00	0.00%	NA	NA	NA	100.00%	96.00%	100.00%	NA	NA
	BSNL	5.00	92.00%	100.00%	92.00%	100.00%	815	7	0.00	0.09%	0.00%	98.00%	100.00%	100.00%	99.05%	93.93%	100.00%	100.00%
	Vodafone	0.80	91.67%	100.00%	NA	NA		3:14:00 AM	0.00	0.00%	NA	NA	NA	NA	99.29%	97.94%	100.00%	NA
PB	Vodafone	0.20	100.00%	NA	NA	NA		12:14:00 AM	0.00	0.00%	NA	NA	NA	NA	99.29%	97.94%	NA	NA
	Reliance	1.11	100.00%	100.00%	NA	NA		4.45	0.00	0.03%	NA	100.00%	NA	100.00%	96.17%	96.17%	100.00%	100.00%
	TTSL	1.00	96.00%	100.00%	NA	NA	0	90	0.00	0.00%	NA	NA	NA	100.00%	99.00%	85.00%	100.00%	NA
	Bharti	3.77	94.68%	100.00%	NA	NA	0	3.98	0.00	0.02%	NA	100.00%	100.00%	100.00%	88.91%	99.00%	100.00%	100.00%
	Quadrant	3.02	97.30%	100.00%	100.00%	100.00%	19	6.11	0.00	0.00%	0.00%	100.00%	100.00%	100.00%	96.00%	95.00%	100.00%	100.00%
	BSNL	4.00	95.00%	100.00%	95.00%	100.00%	162	6	0.00	0.02%	0.00%	98.00%	100.00%	100.00%	95.96%	64.00%	100.00%	100.00%
RAJ	Reliance	0.71	100.00%	100.00%	NA	NA		4.53	0.00	0.01%	NA	100.00%	NA	100.00%	96.17%	96.17%	100.00%	100.00%
	TTSL	0.00	100.00%	NA	NA	NA	0	6	0.00	0.00%	NA	NA	NA	100.00%	99.00%	100.00%	100.00%	NA
	Vodafone	0.90	100.00%	NA	NA	NA		1:05:00 AM	0.00	0.00%	NA	NA	NA	NA	99.29%	97.94%	NA	NA
	Bharti	3.32	95.41%	100.00%	NA	NA	0	3.54	0.00	0.00%	NA	100.00%	100.00%	100.00%	99.73%	99.00%	100.00%	100.00%
	Sistema	2.53	92.37%	100.00%	94.49%	100.00%	0	7.46	0.00	0.05%	NA	100.00%	100.00%	100.00%	98.48%	96.70%	100.00%	100.00%
	BSNL	5.00	97.00%	100.00%	93.00%	100.00%	442	5	0.00	0.00%	0.00%	100.00%	100.00%	100.00%	96.72%	22.00%	100.00%	100.00%
TN	Reliance	1.02	100.00%	100.00%	NA	NA		4.31	0.00	0.00%	NA	NA	NA	NA	96.17%	96.17%	100.00%	100.00%
	TTSL	0.00	97.00%	100.00%	NA	NA	0	8	0.00	0.02%	NA	100.00%	NA	100.00%	99.00%	93.00%	100.00%	NA
	Vodafone	1.80	100.00%	NA	NA	NA		1:34:00 AM	0.00	0.00%	NA	NA	NA	NA	99.29%	97.94%	NA	NA
	Bharti	2.92	87.29%	100.00%	NA	NA	0	6.66	0.00	0.02%	NA	100.00%	100.00%	100.00%	99.80%	98.00%	100.00%	100.00%
	BSNL	3.00	96.00%	100.00%	90.00%	100.00%	2344	7	0.00	0.07%	0.00%	100.00%	NA	100.00%	97.79%	93.00%	100.00%	100.00%
UPE	Reliance	0.58	100.00%	100.00%	NA	NA		4.23	0.00	0.00%	NA	100.00%	NA	100.00%	96.17%	96.17%	100.00%	100.00%
	TTSL	1.00	100.00%	100.00%	NA	NA	0	2	0.00	0.00%	NA	NA	NA	100.00%	99.00%	50.00%	NA	NA
	Vodafone	0.80	100.00%	NA	NA	NA		1:21:00 AM	0.00	0.00%	NA	NA	NA	NA	99.29%	97.94%	NA	NA
	Bharti	4.79	93.68%	100.00%	NA	NA	0	4.46	0.00	0.00%	NA	100.00%	100.00%	100.00%	100.00%	99.00%	100.00%	100.00%
	BSNL	4.00	96.00%	100.00%	93.00%	100.00%	832	6	0.00	0.07%	0.00%	100.00%	100.00%	100.00%	96.27%	7.00%	100.00%	100.00%
UPW	Reliance	0.00	NA	NA	NA	NA		0	0.00	0.00%	NA	NA	NA	NA	96.17%	96.17%	100.00%	100.00%
	TTSL	0.00	NA	100.00%	NA	NA	0	2	0.00	0.00%	NA	NA	NA	100.00%	99.00%	100.00%	NA	NA
	Vodafone	0.50	100.00%	NA	NA	NA		12:28:00 AM	0.00	0.00%	NA	NA	NA	NA	99.29%	97.94%	NA	NA
	Bharti	4.52	95.64%	100.00%	NA	NA	0	3.46	0.00	0.01%	NA	100.00%	100.00%	100.00%	100.00%	99.00%	100.00%	100.00%
	BSNL	5.00	96.00%	100.00%	95.00%	100.00%	765	5	2.00	0.09%	0.00%	100.00%	100.00%	100.00%	96.48%	85.67%	100.00%	100.00%
Uttaranchal	BSNL	5.00	97.00%	100.00%	96.00%	100.00%	4	5	0.00	0.00%	0.00%	100.00%	100.00%	100.00%	96.96%	82.67%	100.00%	100.00%
WB	Reliance	0.00	NA	NA	NA	NA		0	0.00	0.00%	NA	NA	NA	NA	96.17%	96.17%	100.00%	100.00%
	BSNL	4.00	92.00%	100.00%	92.00%	100.00%	454	6	0.00	0.06%	NR	100.00%	100.00%	100.00%	98.89%	94.67%	100.00%	100.00%

Annexure 4.4: Quality of Service Performance of Broadband Service Providers

Performance Monitoring Report on Quality of Service of Service Providers providing broadband service for Quarter Ending September, 2014

Sl. No.	Service Provider	Service area	Service Provisioning	Faults Repair		Billing Performance				Response Time to the Customer for assistance		Bandwidth utilisation/throughput				Service availability (uptime for all users) in %age	Packet Loss	Network latency (for wired broadband access)		
			%age of connections provided within 15 days of registration of demand	% of faults repaired by next working day (>90%)	% of faults repaired within 3 working day	Rent Rebate	%age of bills disputed	%age of billing complaints resolved within 4 weeks	%age of cases to whom refund of deposits is made within 60 days of closures	%age of calls answered by operator (Voice to voice) within 60 sec	%age of calls answered by operator (Voice to voice) within 90 sec	No. of Intra network links having Bandwidth utilisation >90% during peak hours (TCBH)	No. of Upstream links for International connectivity having bandwidth utilisation >90% during peak hours (TCBH)	% International bandwidth utilization during peak hours (TCBH) (Enclose MRTG) <90%	Broadband Connection Speed available (download from ISP node to user)		Packet loss (for wired broadband access) in %age	User reference point at POP/ISP Gateway node to IGSP/NIXD	User reference point at ISP Gateway node to International nearest NAP port abroad (terrestrial)	User reference point at ISP Gateway node to International nearest NAP port abroad (satellite)
			100%	>90%	=>99%	in nos.	<2%	100%	100% within 60 days	>60%	>80%	0	0	<90%	>80%		>98%	<1%	<120 ms	<350 ms
1	BSNL	All India	100.00%	93.96%	99.63%	3664	0.10%	100.00%	100.00%	68.06%	72.20%	0	0	74.30%	0.00%	99.69%	0.30%	25	207	0
2	Bharti Airtel	Andhra Pradesh	100.00%	97.42%	100.00%	0	0.00%	100.00%	100.00%	93.00%	95.00%	0	0	50.40%	100.00%	100.00%	0.00%	35	46	NA
		Delhi	100.00%	92.05%	99.17%	601	0.01%	100.00%	100.00%	93.00%	95.00%	0	0	82.14%	100.00%	99.99%	0.00%	26	77	NA
		Gujarat	100.00%	92.25%	99.37%	15	0.01%	100.00%	100.00%	92.00%	96.00%	0	NA	NA	100.00%	100.00%	0.00%	31	59	NA
		Haryana	100.00%	94.38%	99.77%	8	0.02%	100.00%	100.00%	96.00%	97.00%	0	NA	NA	100.00%	100.00%	0.00%	29	77	NA
		Karnataka	100.00%	90.54%	100.00%	0	0.01%	100.00%	100.00%	89.00%	92.00%	0	0	69.03%	100.00%	100.00%	0.00%	28	38	NA
		Kerala	100.00%	91.09%	99.69%	3	0.01%	100.00%	100.00%	94.00%	95.00%	0	NA	NA	100.00%	99.99%	0.00%	44	33	NA
		Kolkata	100.00%	90.23%	99.17%	66	0.00%	100.00%	100.00%	94.00%	96.00%	0	0	62.04%	100.00%	100.00%	0.00%	23	73	NA
		Madhya Pradesh & Chattisgarh	100.00%	93.85%	99.34%	119	0.01%	100.00%	100.00%	96.00%	98.00%	0	0	67.67%	100.00%	99.95%	0.00%	71	64	NA
		Maharashtra	100.00%	97.82%	99.51%	11	0.00%	100.00%	100.00%	92.00%	96.00%	0	NA	NA	100.00%	100.00%	0.08%	39	59	NA
		Mumbai	100.00%	97.65%	99.67%	10	0.01%	100.00%	100.00%	92.00%	96.00%	0	0	75.66%	100.00%	99.97%	0.06%	33	59	NA
		Punjab	100.00%	95.67%	99.73%	16	0.02%	100.00%	100.00%	96.00%	98.00%	0	0	58.40%	100.00%	100.00%	0.00%	33	89	NA
		Rajasthan	100.00%	96.23%	99.87%	3	0.01%	100.00%	100.00%	95.00%	97.00%	0	NA	NA	100.00%	99.99%	0.00%	38	77	NA
Tamilnadu	100.00%	93.54%	99.97%	6	0.02%	100.00%	100.00%	91.00%	94.00%	0	0	57.69%	100.00%	99.98%	0.00%	26	33	NA		
Uttar Pradesh - East	100.00%	92.48%	99.43%	25	0.00%	100.00%	100.00%	96.00%	98.00%	0	NA	NA	100.00%	100.00%	0.00%	32	77	NA		
Uttar Pradesh - West	100.00%	95.67%	99.78%	2	0.00%	100.00%	100.00%	96.00%	98.00%	0	NA	NA	100.00%	99.99%	0.00%	32	77	NA		
3	MTNL	Delhi & Mumbai	99.07%	82.86%	93.55%	34005	0.043%	100.00%	100.00%	88.83%	91.63%	0	0	81.37%	90.00%	99.84%	0.54%	42	301	NA
4	Beam Telecom	Hyderabad	100.00%	84.33%	98.77%	4080	2.00%	100.00%	NA	75.71%	81.31%	0	0	70.09%	90.00%	99.00%	1.00%	50	300	NA
5	You Broadband	All India	96.00%	91.00%	99.00%	547	1.00%	100.00%	100.00%	79.00%	85.00%	NA	0	72.83%	87.26%	99.23%	0.00%	9	276	NA
6	Hathway Cable & Datacom Ltd.	Andhra Pradesh	100.00%	95.00%	99.00%	230	1.70%	100.00%	100.00%	65.00%	75.00%	0	0	78.00%	90.00%	99.18%	1.00%	75	320	NA
		Delhi	100.00%	94.00%	99.00%	192	1.12%	100.00%	100.00%	68.00%	84.00%	0	0	88.00%	85.00%	100.00%	1.00%	90	279	NA
		Gujarat	100.00%	90.00%	99.00%	0	0.00%	NA	NA	79.00%	94.00%	0	0	78.00%	90.00%	99.00%	1.00%	80	270	NA
		Karnataka	98.00%	88.00%	97.00%	369	1.85%	100.00%	100.00%	76.00%	81.00%	0	0	79.00%	90.00%	99.37%	1.00%	75	350	NA
		Maharashtra	97.00%	94.00%	99.00%	1999	1.11%	100.00%	100.00%	69.00%	78.00%	0	0	78.00%	90.00%	99.00%	1.00%	50	280	NA
		Punjab	100.00%	91.00%	99.00%	26	1.02%	100.00%	100.00%	66.00%	97.00%	0	0	88.00%	85.00%	99.00%	1.00%	97	304	NA
		Goa	100.00%	92.00%	99.00%	0	0.00%	NA	NA	82.00%	94.00%	0	0	79.00%	90.00%	98.00%	1.00%	50	250	NA
		Uttar Pradesh	100.00%	92.00%	99.00%	0	0.65%	100.00%	100.00%	DNF	DNF	0	NA	88.00%	85.00%	100.00%	1.00%	75	267	NA
Chhatisgarh	100.00%	99.00%	100.00%	0	0.97%	100.00%	100.00%	92.00%	95.00%	0	0	89.00%	85.00%	100.00%	1.00%	98	296	NA		
7	Quadrant	Punjab	100.00%	98.25%	99.94%	0	0.01%	100.00%	100.00%	74.67%	84.33%	0	0	74.00%	100.00%	99.89%	0.00%	80	280	NA
8	Asianet Satellite	Kerala	100.00%	90.38%	99.17%	0	1.24%	100.00%	100.00%	60.86%	81.50%	0	0	65.57%	90.00%	99.70%	1.00%	50	270	NA
9	Reliance Com. (RCL)	All India	NA	100.00%	100.00%	Nil	0.16%	100.00%	100.00%	95.00%	99.00%	0	0	44.67%	90.00%	99.51%	0.53%	60	37.4	0
10	Atria Convergence	All India	94.90%	72.00%	92.00%	6486	0.58%	100.00%	Nil	70.00%	76.00%	0	0	79.00%	95.00%	99.74%	1.00%	32	296	0
11	Five Networks	All India	100.00%	99.50%	100.00%	NA	0.00%	100.00%	100.00%	NA	NA	NA	0	NA	90.00%	99.00%	1.00%	NA	NA	NA
12	Tata (TTML)	Maharashtra & Goa	100.00%	66.00%	94.00%	0	0.00%	98.00%	NA	79.00%	86.00%	0	0	69.00%	95.00%	100.00%	0.00%	70	197	0
13	D-Vois Broadband	All India	100.00%	97.03%	100.00%	0	0.72%	100.00%	NA	100.00%	100.00%	0	0	0.00%	90.00%	100.00%	0.10%	120	350	800
14	Ortel Communications	Andhra Pradesh	100.00%	92.00%	99.50%	11	0.00%	100.00%	100.00%	100.00%	100.00%	0	0	77.01%	95.00%	99.99%	0.00%	87	240	0
		Kolkata	100.00%	93.00%	99.49%	11	0.00%	100.00%	100.00%	100.00%	100.00%	0	0	78.43%	93.00%	99.99%	0.00%	92	235	0
		Madhya Pradesh	100.00%	94.00%	99.48%	32	0.00%	100.00%	100.00%	100.00%	100.00%	0	0	79.26%	94.00%	99.85%	0.00%	84	242	0
		Orissa	100.00%	90.99%	99.00%	919	0.00%	100.00%	100.00%	100.00%	100.00%	0	0	78.00%	93.00%	99.72%	0.00%	92	245	0

Annexure 4.4 (Contd.)

15	Broadband Pacenet India Pvt. Ltd.	Mumbai	100.00%	91.00%	99.00%	41	0.00%	100.00%	Nil	85.00%	90.00%	0	0	87.00%	80.00%	99.00%	0.30%	65	275	0
		Mumbai-Pune	100.00%	91.00%	100.00%	8	1.00%	100.00%	Nil	88.00%	92.00%	0	0	81.00%	80.00%	99.00%	0.40%	55	265	0
		All India	100.00%	91.00%	99.00%	45	1.00%	100.00%	Nil	75.00%	90.00%	0	0	74.00%	85.00%	99.00%	0.50%	75	305	0
		Madhya Pradesh	100.00%	93.00%	100.00%	18	1.00%	100.00%	Nil	78.00%	90.00%	0	0	74.00%	80.00%	99.00%	0.50%	75	285	0
		Gujarat	100.00%	92.00%	100.00%	24	1.00%	100.00%	Nil	87.00%	91.00%	0	0	70.00%	85.00%	99.00%	0.35%	55	285	0
		Rajasthan	100.00%	92.00%	100.00%	0	1.00%	100.00%	Nil	85.00%	90.00%	0	0	82.00%	80.00%	99.00%	0.50%	50	285	0
		Delhi	100.00%	91.00%	100.00%	16	1.00%	100.00%	Nil	80.00%	92.00%	0	0	76.50%	80.00%	99.00%	0.50%	55	285	0
16	Syscon Infoway Pvt. Ltd.	Andhra Pradesh	100.00%	91.00%	99.00%	18	1.00%	100.00%	Nil	80.00%	88.00%	0	0	86.00%	80.00%	99.00%	0.60%	65	290	0
		Maharashtra	100.00%	97.00%	100.00%	Nil	0.00%	100.00%	NA	76.00%	87.67%	0	0	83.33%	99.00%	100.00%	1.00%	1	47	80
		Mumbai	100.00%	97.00%	100.00%	Nil	0.00%	100.00%	NA	78.33%	87.00%	0	0	70.00%	99.00%	100.00%	0.00%	1	47	80
17	Gujarat Telelink (GTPL)	Gujarat	100.00%	96.00%	99.00%	73	0.22%	100.00%	NA	96.00%	99.00%	NA	0	82.00%	91.00%	99.00%	0.00%	11	300	NA
18	Tata Communications	All India	NA	90.00%	97.00%	699	0.19%	100.00%	100.00%	83.00%	87.00%	0	0	59.05%	80.00%	98.47%	0.00%	DNF	253	NA
19	Citycom Networks	All India	100.00%	92.00%	99.00%	1957	0.33%	100.00%	100.00%	81.00%	86.00%	0	0	58.00%	91.15%	99.10%	1.00%	2	156	NA
20	IndusInd Media	All India	100.00%	97.00%	99.00%	43	0.00%	100.00%	100.00%	100.00%	100.00%	0	0	78.36%	80.00%	98.00%	1.00%	45	260	NA
21	Tata (TTSL)	All India (Pan India)	100.00%	91.00%	97.00%	0	0.840%	99.00%	Nil	69.01%	73.99%	0	0	67.00%	95.00%	99.64%	0.03%	40	76	0
22	Noida Software (NSTPL)	All India	100.00%	100.00%	100.00%	Nil	NA	100.00%	100.00%	85.00%	100.00%	NA	NA	NA	98.00%	99.28%	1.00%	15	200	NA
23	Home Systems	Mumbai	100.00%	95.00%	99.99%	NA	0.00%	100.00%	NA	68.00%	89.00%	0	0	81.00%	95.00%	98.00%	0.01%	50	295	NA
24	Digital Network	Maharashtra & Goa	100.00%	90.88%	99.43%	0	0.64%	100.00%	Nil	61.64%	83.53%	0	0	80.00%	80.00%	99.77%	1.00%	4	255	600
25	Siti Cable	All India	100.00%	91.00%	100.00%	34	0.00%	100.00%	100.00%	68.00%	97.00%	0	0	78.76%	95.00%	98.98%	0.40%	56	280	NA
26	Alliance Broadband	Kolkata	100.00%	91.00%	99.00%	0	1.00%	100.00%	Nil	67.00%	91.00%	0	0	71.00%	97.00%	99.00%	1.00%	NA	NA	NA
27	Vasai Cable	Mumbai	100.00%	95.06%	99.68%	0	0.81%	100.00%	Nil	68.76%	84.05%	0	0	80.00%	80.00%	99.50%	1.00%	4	255	NA
28	Southern (SOBTL)	Andhra Pradesh	100.00%	99.00%	100.00%	0	0.00%	100.00%	100.00%	88.00%	100.00%	0	0	75.00%	95.00%	99.98%	0.05%	100	300	500
29	Rajesh Multichannel	Mumbai	100.00%	97.00%	100.00%	0	0.00%	100.00%	100.00%	96.00%	87.00%	0	0	86.00%	84.00%	98.00%	0.00%	0	0	0
30	Wish Net Pvt. Ltd.	West Bengal	100.00%	98.92%	100.00%	0	0.05%	100.00%	NA	80.67%	97.67%	0	0	74.33%	DNF	99.00%	1.00%	NA	NA	NA
		Kolkata	100.00%	88.99%	99.95%	0	0.02%	100.00%	NA	81.00%	97.67%	0	0	80.42%	DNF	99.82%	1.00%	NA	NA	NA
31	Honesty Net Solutions (I) Pvt. Ltd.	Mumbai	100.00%	96.00%	99.00%	NA	0.00%	100.00%	NA	NA	NA	0	NA	68.00%	100.00%	98.00%	0.00%	9	270	NA
32	DEN Networks Ltd.	All India	98.55%	94.06%	98.22%	0	0.00%	Nil	Nil	81.00%	NA	0	0	48.00%	95.00%	100.00%	0.00%	30	260	NA
33	Meghbela Cable & Broadband Services	Kolkata & West Bengal	100.00%	99.90%	100.00%	0	0.00%	100.00%	100.00%	84.33%	100.00%	0	0	0.00%	100.00%	99.90%	0.00%	60	0	0
34	Nextra Teleservices Pvt. Ltd.	Delhi	98.00%	94.00%	99.00%	136	2.00%	100.00%	100.00%	88.00%	93.00%	0	3	96.00%	100.00%	100.00%	1.00%	120	350	NA
35	RK Infratel	Gujarat	100.00%	90.15%	99.16%	0	0.00%	100.00%	NA	99.96%	100.00%	0	0	86.07%	85.00%	99.45%	0.00%	120	350	NA
			DNF= Data not as per Format				NR= Data not reported by the Service Provider						NA = Not Applicable			C/DNF= Complied the parameter but Data is not in the required format				

Annexure 5.1: List of Multi System Operators (MSOs) who have been granted permanent registration to operate in Digital Addressable System (DAS)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
1	M/s. Inspire Infratech Pvt. Ltd 9/21/2012-BP&L	M/s. Inspire Infratech Pvt. Ltd Plot No.18, 2nd Floor, East Avenue Market, East Punjabi Bagh, New Delhi.	National Capital Territory of Delhi area	Permanent(for 10 years) Registration issued on 14.02.2014
2	M/s. CCN DEN Network Pvt. Ltd. 9/25/2012-BP&L	M/s. CCN DEN Network Pvt. Ltd. C-1/9, Krishna Nagar, Delhi-110051	Phase I, II, & III	Permanent(for 10 years) Registration issued on 29.05.2014
3	M/s. Aadhar Digital Vision Pvt. Ltd 9/56/2012-BP&L	M/s. Aadhar Digital Vision Pvt. Ltd 37/19, Ayalur Muthiah Street, Kondithope, Chennai-600079	in the State of Tamilnadu and UT of Pondicherry	Permanent(for 10 years) Registration issued on 21.02.2014
4	M/s ABS Entertainment Pvt. Ltd. 9/63/2012-BP&L	ABS Entertainment Pvt. Ltd. Hari Om Chambers, 7th Floor, B-16, Veera Industrial Estate, Off link Road, Andheri (W), Mumbai-400053.	Mumbai Of Phase I and all Cities /towns of Phase III & IV	Permanent(for 10 years) Registration issued on 30.05.2014
5	M/s Akshaya Diginet Cable Vision Pvt. Limited. 9/75/2012-BP&L	No. 3 , Malar Complex, 2nd Floor, Padi Pundhunagar Road, Annanagar West Extn, Chennai-600101	In the State of Tamil Nadu Except Coimbatore	Permanent Registration issued on 29.05.2014
6	M/s Thamizhaga Cable TV Communication Pvt. Ltd., Chennai 9/81/2012-BP&L	M/s Thamizhaga Cable TV Communication Pvt. Ltd., Old No. 150, New No. 48, Sami Naicken Street, Chinthadripet Chennai. 600002	Chennai in Phase I, and all cities /towns of Phase III, Phase-IV	Permanent(for 10 years) Registration issued on 03.06.2014
7	Baba Enterprises Delhi 9/92/2012 -BP&L	Baba Enterprises Delhi 106, Ist Floor, Takiya Chowk, Mandir Wali Gali, Burari Village, Delhi- 84	Delhi & NCR	Permanent(for 10 years) Registration issued on 10.06.2014
8	M/s Novabase Digital Entertainment Pvt. Ltd., Delhi 9/100/2012-BP&L	226B/5, 3rd Floor Krishna Palace Prakash Mohalla East of Kailash New Delhi 110067	Delhi/ NCT areas	Permanent(For 10 years) Registration given on 18.6.2014

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
9.	Microscan Entertainment Pvt. Ltd., Mumbai 9/85/2012-BP&L	Microscan Entertainment Pvt. Ltd. "A" Wing, 301-303, Opp. Ahura Centre, Everest Grande, mahakali caves Road, Andheri (E), Mumbai-400093	Phase I, III and IV	Permanent(For 10 Years) Registration issued on 13.6.2014
10.	M/s Chouksey Entertainments Ltd No. 9/131/2012-BP&L	M/s M/s Chouksey Entertainments Ltd Krishi Upaj Mandi, Plot No – 46, 47,48 JDA Sceme no. -5, Damoh Naka Jabalpur – 482002 (M.P.) Email. Abhijeet-chouksey@gmail.com	Jabalpur of Phase II and Phase III and Phase IV in the states of Maharashtra, Chattisgarh Bihar Madhya Pradesh, Rajasthan, Uttar Pradesh and Gujrat and Odisha	Permanent (For 10 Years) Registration issued on 30.05.2014
11.	M/s UCN Cable Network Pvt. Ltd. No. 9/133/2012-BP&L	M/s UCN Cable Network Pvt. Ltd. 502, Milestone Building, Wardha Road, 12, Ramdaspath, Nagpur 440 010 0712 6633888/999 0712 6633990 info@ucnindia.com	Phase-I,4 Cities of Phase II viz Nagpur,Jabalpur,Ind ore & Bhopal and Phase III & IV Cities	Provisional (for 10 years) Registration issued on 29.05.2014
12.	M/s E-Infrastructure & Entertainment (India) Pvt. Ltd. No. 9/145/2012-BP&L	M/s E-Infrastructure & Entertainment (India) Pvt. Ltd. 22 & 24, Someshwara Nilaya, Jakkur Main Road, Amruthalli, Banglore (KA) - 560092	Karnataka (except Mysore), Tamilnadu (except Coimbatore), Andhra Pradesh (except Hyderabad &Vishakhapatanam and Kerala state	Permanent (For 10 Years) Registration issued on 30.05.2014
13.	Bhima Riddi Digital Services No. 9/144/2012-BP&L	Bhima Riddi Digital Services 4th Floor, Millenium Square, Near Garuda Bunglow, Sath Raasta, Solapur	Areas Phase I, II, III & IV Except Phase II cities in Maharashtra (excluding solapur), Karnataka, Gujrat and Andhra Pradesh	Permanent (For 10 years)) Registration issued on 30.05.2014
14.	All Digital Network India Ltd. No. 9/13/2013-BP&L	All Digital Network India Ltd. N 2, LIC Row Houses, 24th Main, Ist Phase JP Nagar, Bangalore 560078	In the state of Karnataka except Mysore	Permanent(for 10 years) Registration issued on 28.05.2014

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
15.	M/s Digi Maharaja Cable Network Pvt. Ltd. No. 9/23/2013-BP&L	M/s Digi Maharaja Cable Network Private Limited, B-8, Marol, Industrial Area, Next to MIDC Police Station Andheri (E) Mumbai 400093	Phase I, III & IV and Agra city of Phase II only	Permanent (for 10 years) Registration issued on 29.05.2014
16.	M/s Mplex Networks Pvt. Ltd. No. 9/27/2013-BP&L (first application)	M/s Mplex Networks Pvt. Ltd. Aerolex Centre-III Floor, 109 KH Road, Bangalore 560001	Bangalore City	Permanent Registration issued on 24.01.2014
17.	M/s Zippy Tel Pvt. Ltd. 9/61/2013 - BP&L	M/s Zippy Tel Pvt. Ltd. D -177, Sector 10, Noida -201301 Uttar Pradesh	city/town/area of Ghaziabad & Goutam budh Nagar	Permanent (For 10 years) Registration issued on 29.05.2014
18.	M/s Sree Devi Digital Systems Pvt. Ltd. 9/72/2013 -BP&L	M/s Sree Devi Digital Systems Pvt. Ltd. D. No : 39-6-16, Sagar Nivas, Muralinagar, Visakhapatnam-530007	City/town/area of Vishakhapatnam of Phae II and rest of Andhra Pradesh for Phase III and IV	Permanent (For 10 Years) Registration issued on 06.02.2014
19.	M/s Subam Digital Cable Services, 9/91/2012 -BP&L	M/s Subam Digital Cable Services, 138, Cotton Market, Rajapalayam, Virudhu Nagar district, Tamil Nadu, PIN-626117	Phase I, III & IV Cities only	Permanent (For 10 years) Registration issued on 29.05.2014
20.	M/s Asianet Satellite Communications Ltd. 9/28/2013 - BP&L	M/s Asianet Satellite Communications Ltd. 2A, 2nd Floor, Leela Infopark, Technopark, Kazhakuttom, Thiruvananthapuram 695581	Phase I, III & IV Cities	Permanent(for 10 years) Registration issued on 30.05.2014
21.	M/s Mansion Cable Network Pvt. Ltd. 9/65/2013 -BP&L	M/s Mansion Cable Network Pvt. Ltd. Part of 10 & 21, IInd Floor, College Road, Chhipi Tank, Meerut, Uttar Pradesh -250001	Notified area of in the state of Uttar Pradesh except (i) Agra (ii) Allahabad (iii) Ghaziabad (iv) Kanpur (v) Lucknow (vi) Varanasi	Permanent(for 10 years) Registration issued on 29.05.2014
22.	M/s Men Power Media Network 9/103/2013 - BP&L	M/s Men Power Media Network Men Power Avenue Natesanar Street Nemeli-631051, Arakkonam Tk., Vellore District, Tamilnadu.	In the state of Tamilnadu except Coimbatore and Chennai and chittore and Nellore Districts in the state of Andhra Pradesh	Permanent(For 10 Years) Registration issued on 29.05.2014

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
23.	M/s Sai Vision Cable Network 9/58/2013 -BP&L	M/s Sai Vision Cable Network Shop No. 8, Aditya Apartment, Anandnagar, Sinhagad Road, Pune 411051	Notified areas of of Pune city of Phase-II and Pune ,Satara and Ahmednagar Districts of Phase -III & IV	Permanent (for 10 years) Registration issued on 27.05.2014
24.	M/s Sea TV Network Limited 9/40/2013 -BP&L	M/s Sea TV Network Limited 148, Manas Nagar, Shahganj, Agra-282010	In the state of UttarPradesh excluding Allahabad, Ghaziabad, Kanpur, Lucknow, Meerut, Varanasi	Permanent (for 10 years) Registration issued on 29.05.2014
25.	M/s Vinsat Digital Pvt. Ltd. 9/57/2013 -BP&L	M/s Vinsat Digital Pvt. Ltd. #46-15-32/8, Flat No. 501, 5th Floor, Kandrapa Complex, Dondaparthi, Near Diamond Park, Vishakhapatnam 530 016	Vishakhapatnam only	Permanent (for 10 years) Registration issued on 26.05.2014
26.	M/s Digital Infotainment Pvt. Ltd. F. No.9/15/2013 - BP&L	M/s Digital Infotainment Pvt. Ltd. Plot No.97, Marol Co-operative Industrial Estate, Makwana, Andheri (East), Mumbai-400059	In the State of Karnataka except Mysore	Permanent (for 10 years) Registration issued on 30.05.2014
27.	M/s Moon Network Pvt. Ltd. F. No.9/45/2013 - BP&L	M/s Moon Network Pvt. Ltd. 1/47, Hotel East Lite, Delhi Gate, Near Raja Mandi Railway Station, Agra 282002	Notified areas of Agra,Firozabad,Tund la & Shikohabad	Permanent (for 10 years) Registration issued on 23.01.2014
28.	M/s Technobile Systems Network F. No.9/80/2013 - BP&L	M/s Technobile Systems Network 421, Udyog Vihar, Phase-IV, Gurgaon-122015 Haryana	In the State of Uttar Pradesh, Bihar, Haryana, Uttranchal & Rajasthan except Agra, Allahabad, Ghaziabad, Kanpur,Meerut & Varanasi in the State of Uttar Pradesh, Patna in the State of Bihar, Faridabad in the State of Haryana, and Jaipur & Jodhpur in the State of Rajasthan	Permanent (For 10 years) Registration issued on 30.05.2014
29.	M/s. Digi Cable Network India Pvt. Ltd. 9/26/2012- BP&L	M/s. Digi Cable Network India Pvt. Ltd. B-8, Marol Industrial Area, Next of MIDC Police Station, Andheri (E), Mumbai-400093	National Capital Territory of Delhi area, Municipal Council of Greater Mumbai area, and Kolkata Metropolitan Area	Permanent (For 10 Years) Registration issued on 12.6.2012

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
30.	M/s. Digicable Comm. Services Pvt. Ltd. 9/20/2012-BP&L	M/s. Digicable Comm. Services Pvt. Ltd. 3B, Camac Street Kolkata-700016	Kolkata Metropolitan Area	Permanent (For 10 Years) Registration issued on 14.6.2012
31.	M/s. Kal Cables Pvt. Ltd. 9/31/2012-BP&L	M/s. Kal Cables Pvt. Ltd. No. 229, Kutchery Road, Mylapore, Chennai-600004	Chennai Metropolitan Area	Permanent (For 10 Years) Registration issued on 19.6.2012
32.	M/s. Home System Pvt Ltd. 9/19/2012-BP&L	M/s. Home System Pvt Ltd. A/17, Gaurav Annexe, R.R.T. Road Mulund (W), Mumbai -400080	Entire DAS notified area across the country notified in the notification of government of India	Permanent (For 10 Years) Registration issued on 28.03.2013
33.	M/s. Star Broadband Services (I) Pvt. Ltd. 9/29/2012-BP&L	M/s. Star Broadband Services (I) Pvt. Ltd. 19/48, Malcha Marg, Commercial Complex, Chankyapuri, New Delhi-110021	National Capital Territory of Delhi area	Permanent (For 10 Years) Registration issued on 19.6.2012
34.	M/s. Den Adn Network Pvt. Ltd. 9/24/2012-BP&L	M/s. Den Adn Network Pvt. Ltd. 11/15, 3rd floor, East Patel Nagar, New Delhi-110008	National Capital Territory of Delhi area	Permanent (For 10 Years) Registration issued on 19.6.2012
35.	M/s. Delhi Distribution Company 9/18/2012-BP&L	M/s. Delhi Distribution Company Office No.2, 1st Floor, Local Shopping Centre, Uday Park, New Delhi-110049	National Capital Territory of Delhi area	Permanent (For 10 Years) Registration issued on 21.6.2012
36.	M/s. Satellite Channels Pvt. Ltd. 9/28/2012-BP&L	M/s. Satellite Channels Pvt. Ltd. E-68, 3rd Floor, Lajpat Nagar-I, New Delhi-110024	National Capital Territory of Delhi area and cities/towns / areas occurring against Phase-II, Phase-III and Phase-IV	Permanent (For 10 Years) Registration issued on 29.6.2012
37.	M/s. Kailash Cable Network Pvt. Ltd 9/43/2012-BP&L	M/s. Kailash Cable Network Pvt. Ltd 36, Ram Lal Mukherjee Lane, Salkia, Howrah-711106	Kolkata Metropolitan Area and cities of Howrah and Patna occurring against Phase-II and cities/town/areas occurring Phase-III & IV	Permanent (For 10 Years) Registration issued on 28.6.2012

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
38.	M/s. Indusind Media And Communication Limited Under 11 (F) 9/54/2012-BP&L	M/s. Indusind Media And Communication Limited Under 11 (F) IN Centre, 49/50 MIDC, 12th Road, Andheri (E), Mumbai-400093	Municipal Council of Greater Mumbai, National Capital Territory (NCT), Delhi, Kolkata Metropolitan Area, Chennai Metropolitan Area	Permanent (For 10 Years) Registration issued on 29.6.2012
39.	M/s Barasat Cable Tv Network Pvt. Ltd. 9/61/2012-BP&L	M/s Barasat Cable TV Network Pvt. Ltd. Circular Road, Nabapally, Barasat, Pin No. 700126 (West Bengal)	Kolkata Metropolitan Area	Permanent (For 10 Years) Registration issued on 29.6.2012
40.	M/s Scod 18 Networking Pvt. Ltd 9/52/2012-BP&L	M/s Scod 18 Networking Pvt. Ltd Plot No. 97, Marol Co-operative Industrial Estate, Makwana, Andheri (E) Mumbai-400059	Cities/Areas/Towns of the State of Maharashtra	Permanent (For 10 Years) Registration issued on 29.6.2012
41.	M/s Den Network. Ltd "Den" 9/46/2012-BP&L	M/s Den Network. Ltd "Den" 236, Ground floor, Okhla Industrial Estate, Phase-III, New Delhi-110020	Municipal Council of Greater Mumbai, National Capital Territory (NCT), Delhi, Kolkata Metropolitan Area, Chennai Metropolitan Area as well as cities/towns/Areas occurring against Phase-II,Phase-III & Phase-IV	Permanent (For 10 Years) Registration issued on 4.07.2012
42.	M/s Manthan Broadband Services PVT. Ltd 9/53/2012-BP&L	M/s Manthan Broadband Services PVT. Ltd 6, Ganesh Chandra, Avenue IIIrd Floor, Kolkata-700013	Kolkata Metropolitan Area	Permanent (For 10 Years) Registration issued on 29.06.2012
43.	M/s. Advance Multisystem Broadband Communications Ltd 9/55/2012-BP&L	M/s. Advance Multisystem Broadband Communications Ltd Bankim Kannan, Chinsurah Station Road, Near Radion Station Surah R.S., Hooghly - 712102 (W.B)	Kolkata Metropolitan Area	Permanent (For 10 Years) Registration issued on 18.07.2012
44.	M/s. Indusind Media And Communication Limited 9/48/2012-BP&L *second application for different areas	M/s. Indusind Media And Communication Limited IN Centre, 49/50 MIDC, 12th Road, Andheri (E), Mumbai-400093	Cities/towns/areas occurring against Phase I, Phase II, Phase III and Phase IV as notified in the notification of Government	Permanent (For 10 Years) Registration issued on 18.07.2012

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
45.	M/s Indian Cable Net Company 9/51/2012-BP&L	M/s Indian Cable Net Company J1/15,Salt Lake, Electronics Complex Block EP,Sector-V, Salt Lake Kolkata-700091	Cities/towns/areas occurring against Phase I, Phase II, Phase III and Phase IV as notified in the notification of Govt.	Permanent (For 10 Years) Registration issued on 18.07.2012
46.	M/s Live Satellite 9/64/2012-BP&L	M/s Live Satellite, M/s. LIVE SATELLITE, HARIOM CHAMBERS, 7TH FLOOR, B-16, VEERA INDUSTRIAL ESTATE, OFF LINK ROAD, ANDHERI (WEST), MUMBAI-400054	Municipal Council of Greater Mumbai, National Capital Territory (NCT), Delhi, Kolkata Metropolitan Area, Chennai Metropolitan Area, as well as cities/towns /areas occurring against phase I, II, III &IV.	Permanent (For 10 Years) Registration issued on 23.07.2012
47.	M/s Hathway Cable & Datacom Limited, Mumbai. 9/68/2012-BP&L	“Rahejas” 4th Floor, Corner of Main Avenue & V P road, Santacruz West Mumbai – 400054	Phase I, Phase II, Phase III, Phase-IV	Permanent (For 10 Years) Registration issued on 30.07.2012
48.	M/s JAK Communication Private Limited, Chennai. 9/77/2012-BP&L	J-4, 6th Avenue, Anna Nagar East, Chennai - 600102	Chennai	Permanent (For 10 Years) Registration issued on 08.08.2012
49.	M/s Kable First India Pvt. Ltd. No. 9/117/2012-BP&L	M/s Kable First India Pvt. Ltd 2nd Floor, Indian Express Building, No. 1, Queen’s Road, Bangalore 560001	Bangalore	Permanent(For 10 years) Registration issued on 12.12.2013
50.	M/s SR Cable TV Pvt. Ltd. No. 9/118/2012-BP&L	M/s SR Cable tv Pvt. Ltd 304,05,06 Corporate House, 169 RNT Marg, Indore(M.P.) 452007 and/or Ist, 2nd floor, Indian Express Building, No. 1, Queen’s Road, Bangalore 560001	Indore	Permanent(for 10 years) Registration issued on 13.12.2013
51.	Darsh Digital Network Pvt. Ltd. No. 9/4/2013-BP&L	Darsh Digital Network Pvt. Ltd. 2nd Floor, Suprabhat Building. Ceat Compound, Ehibition Road, Patna 800001	In the state of Bihar	Permanent(for 10 years)Registration issued on 13.12.2013
52.	M/s Take one JK Media Pvt. Ltd. 9/11/2013 -BP&L	M/s Take one JK Media Pvt. Ltd. Satyam Resort Buidling, Marble Market, Jammu(J&K)	City/town/area of Srinagar only in the state of Jammu Kashmir	Permanent (for 10 years) Registration issued on 11.12.2013

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
53.	M/s Vinod Cable TV Network 9/18/2013 -BP&L	M/s Vinod Cable TV Network MCF 5662, Gali No. 25, E Block, Sanjay Colony, Sector 23, Faridabad,	In the state of Haryana	Permanent (For 10 Years) Registration issued on 12.12.2013
54.	M/s Hathway MCN Pvt. Ltd. 9/64/2013 -BP&L (First application)	M/s Hathway MCN Pvt. Ltd. 310/311 Akshyadeep Plazatown Centre, CIDCO Jalna Road, Aurangabad	Aurangabad only	Permanent Registration issued on 12th December 2013
55.	M/s. Home System Pvt Ltd. F. No.9/19/2012 - BP&L	M/s. Home System Pvt Ltd. A/17, Gaurav Annexe, R.R.T. Road, Mulund (West), Mumbai -400080 Maharashtra.	Cities/towns/areas occurring against Phase I, Phase II, Phase III and Phase IV as notified in the notification of Government	Permanent (For 10 Years) Registration issued on 28.03.2012
56.	M/s Krystal Cable Network owned by Mr. Gawli Shailesh babulal F. No. 9/75/2013 -BP&L	Krystal Cable Network owned by Mr. Gawli Shailesh babulal Meera Nagar Garden Society, B-14/4, Lane 7, Flat No. 4, Koregaon Park, Pune-411001(Maharashtra)	Pune	Permanent(for 10 years) Registration issued on 12.13.2013
57.	M/s Venkatesh- wara Digital Home Entertainment Pvt. Ltd. F. No.9/122/2012 -BP&L	M/s Venkateshwara Digital Home Entertainment Pvt. Ltd. Indian Express Building, No. 1, 2nd Floor, Queens Road, Bangalore – 560001	Kutukuluru & Nakapalli (AP)	Permanent (for 10 years) Registration issued on 11.12.2013
58.	M/s Madurai Krishna Network Pvt. Ltd F. No.9/7/2013 - BP&L	M/s Madurai Krishna Network Pvt. Ltd. No. 1, Malligai Malar Street, Bharathi Nagar, Krishnapuram Colony, Madurai-625014	Phase I, II & III,	Permanent(for 10 years) Registration issued on 11.12.2013
59.	Poona Cables Systems & Services F. No.9/39/2013 - BP&L	Poona Cables Systems & Services 5-B, P.C. M.C. Colony, Ajmera Complex Pimpri Pune 411018	Pimpri Chinchwad	Permanent(for 10 years) Registration issued on 12.12.2013
60.	Chandni Cable Network Owned by Mr. Mohar Pal Dangar F.No.9/111/2013 -BP&L	Chandni Cable Network Owned by Mr. Mohar Pal Dangar VPO Mohna, Tehsil Ballabgarh Distt. Faridabad	Phase II & III	Permanent(For 10 years) Registration issued on 12.12.2013

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
61.	M/s Sri Venkata Nri Simha Digital Media Pvt. Ltd. F. No.9/77/2013 - BP&L	M/s Sri Venkata Nri Simha Digital Media Pvt. Ltd. Sri Mukha Complex 2nd Flour, D.NO. 48-9-1, Dwarkanagar, Ist Lane, Visakhapatnam 530016	Visakhapatnam	Permanent(For 10 years) Registration issued on 12.12.2013
62.	Sky Channel, F. No.9/25/2013 - BP&L	Sky Channel, 11/9, CSM Janak Puri, New Delhi-110058	New Delhi	Permanent (for 10 years) Registration issued on 9.12.13
63.	M/s Uvaca Digital Systems Pvt. Ltd 9/108/2013- BP&L	M/s Uvaca Digital Systems Pvt. Ltd G-18, First Floor, Naraina Vihar, New Delhi 110028.	Patna	Permanent (For 10 Years) Registration issued on 1.11.2013
64.	M/s International Digital Services, Mumbai 9/101/2012- BP&L	M/s International Digital Services International Digital Services 41/3045, Abhyudaya Nagar, Kalachowki, Mumbai 400033	Mumbai District	Permanent (For 10 years) Registration issued on 5.11.2013
65.	Mr. Anand Kumar Mishra(Star Vision) 9/76/2013-BP&L	Mr. Anand Kumar Mishra Sita Niwas, Kurji Balupar, P.O. Sadaquat Ashram, Patna 800010, Bihar	Patna, Bhabua, Buxuar, Muhania & Ara,	Permanent (for 10 years) Registration issued on 13.12.2013
66.	Satellite Communication Network No. 9/35/2013-BP&L	Satellite Communication Network, C/o Syed Abdul Rashid Hilal Super Computers, Main Bus Stand, Anantnag, Kashmir	Anantnag district	Permanent (For 10 years) Registration issued on 16.12.2013
67.	Sristi Cable TV Network Ltd. , Kolkata 9/107/2012- BP&L	Sristi Cable TV Network Ltd. 47/1, Nafar Chandra Das Road, Behala, Kolkata-700034	Kolkata, Howrah, Hooghly, South 24 Parganas and North 24 Parganas	Permanent(For 10 years) Registration issued on 16.12.2013
68.	M/s Kable First Davangere Pvt. Ltd. No. 9/126/2012- BP&L	M/s Kable First Davangere Pvt. Ltd., 2nd Floor, Indian Express Building, No. 1, Queen's Road, Bangalore 560001	Davangere	Permanent(for 10 years) Registration issued on 16.12.2013
69.	M/s HCV Digital Entertainment Pvt. Ltd. No. 9/120/2012- BP&L	M/s HCV Digital Entertainment Pvt. Ltd D. No. 25-5-140, Near Co-operative Central Bank, N.R. Pet, Eluru 534 006 , Andhra Pradesh.	Eluru (Andhra Pradesh)	Permanent(for 10 years) Registration issued on 16.12.2013

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
70.	M/s Saharas Entertainments Pvt. Ltd., Hyderabad No.9/130/2012-BP&L	M/s Saharas Entertainments Pvt. Ltd. Plot No. MIG A94, Dr. A.S. Rao Nagar, Kapra, Hyderabad, Pin 500 062	Rangaraddy District, Hyderabad (GHMC Limits)	Permanent (For 10 Years) Registration issued on 16.12.2013
71.	M/s Digital Nucleus Network Communications Pvt. Ltd. 9/66/2013-BP&L.	Room No. 665V, Ward 11, Chaithanya Building, Aluva Road Kalady po Eranakulam(dist) Kerla, 683574	In the state of Kerala	Permanent (For 10 Years) Registration issued on 9.12.2013
72.	M/s Lucknow 9 Cable Network Pvt. Ltd. 9/89/2013-BP&L	M/s Lucknow 9 Cable Network Pvt. Lucknow Ltd. C 21/A, Mansarovar Garden, New Delhi 110015	Lucknow, Kanpur, Allahabad, Varanasi & Agra,	Permanent (for 10 years) Registration issued on 17.12.2013
73.	Sky Vision Cable Network 9/109/2012-BP&L	Sky Vision Cable Network B.L. NO. 15,H/No. -18, PO Jagatdal, Meghana More, 24 Parg Anas (North) 743125 West Bengal	Kolkata	Permanent (for 10 years) Registration issued on 17.12.2013
74.	M/s Mandapeta Digital Entertainment Pvt. Ltd No. 9/123/2012-BP&L	M/s Mandapeta Digital Entertainment Pvt. Ltd 2nd Floor Queens Road Bangalore-560001 Karnataka 08855-231749	Mandepetta	Permanent (for 10 years) Registration issued on 17.12.2013
75.	Hathway Sonali Om Crystal Cable Pvt. Ltd. No. 9/9/2013-BP&L	Hathway Sonali Om Crystal Cable Pvt. Ltd. Rehajas, 4Th Floor , Corner Of main Avenue & V. P Road Santacruz West, Mumbai	Mumbai	Permanent (for 10 years) Registration issued on 17.12.2013
76.	M/s Nandini Vision Cable Network 9/74/2013-BP&L	M/s Nandini Vision Cable Network Mrs. Revati Sanjay Takale A/P Manjari Farm Shewalewadi Tal Haveli Dist Pune 412307	Pune	Permanent (For 10 years) Registration issued on 17.12.2013
77.	M/s Ashraf Brothers 9/82/2013-BP&L	M/s Ashraf Brothers 15-2-454, Kishan Gunj, Hyderabad 500 012.	Areas Of Phase II and Phase III,Phase IV	Permanent (For 10 years) Registration issued on 30.05.2014
78.	M/s Den Rajkot Communication Pvt.Ltd. No.9/150/2013-BP&L	M/s Den Rajkot Communication Pvt.Ltd. 1-Kediya Naviline, Gheekanta Road, Rajkot-361001	Areas of Rajkot,Junagarh,Ja mnagar,Amreli and all other cities of Gujarat	Permanent (for 10 years) Registration issued on 29.05.2014

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
79.	M/s Home Cable Networks 9/98/2013-BP & L	M/s Home Cable Networks #4-2175/3, Opp Vijaya Dairy Vellore Road, Greampet, Chittore-517002	Chittore District in the state of Andhra Pradesh	Permanent (For 10 years) Registration issued on 29.5.14
80.	Kozhikode Cable Communication Limited 9/78/2013-BP & L	Kozhikode Cable Communication Limited 18/208 C,2nd Floor Golden Chamber Building, kandankulam Road, Tail,Chalappuram. Calicut ,Kerala 673002	In the state of Kerala and Mahi (puducherry)	Permanent Registration issued on 29.05.2014
81.	M/s S.Digital & Datacom Services 9/68/2013_BP&L	M/s S.Digital & Datacom Services, Door No.8-3-302/2 /D, Maruti Nagar.Srinagar Colony,Road Junction, Yousuf Guda. Hyderabad-500045	Telengana,Andhra Pradesh and Maharashtra state under Phase III and IV notified areas	Permanent (for 10 years) Registration issued on 28.05.2014
82.	M/s Surya Digital Broadcastings 9/116/2012-BP&L	M/s Surya Digital Broadcastings 103-N, Tamil Sangam Road Sankar Nagar, Salem-636007	Phase III & IV Cities	Permanent (For 10 years) Registration issued on 29.05.2014
83.	AJK T.V 9/106/2012-BP&L	No.28 Savaripadayachi Street Nellithope Puducherry	Puducherry,Villupuram distric and Cuddalore	Permanent (for 10 years) Registration issued on 03.02.2014
84.	M/s Barak Communication 9/103/2013-BP&L	M/s Barak Communication Hospital Road Silchar, Cachar, Assam 788004	Notified areas of Silchar,Karimganj and Hailakandi	Permanent (For 10 years) Registration issued on 28.03.2014
85.	Blue Sky Network 9/124/2013-BP&L	Blue Sky Network 14, Subash Road, Abhishek Tower Dehradun-248001	Notified areas of Dehradun, Rishikesh and Haridwar Districts	Permanent (for 10 years) Registration issued on 23.01.2014
86.	M/s City TV 9/79/2013-BP & L	M/s City TV 41-43,Raju Naidu Layout No 1, 100 Feet Road Gandhipuram Coimbatore-641012	Notified areas of coimbatore	Permanent (For 10 years) Registration issued on 18.03.2014
87.	M/s Digi Space Network Pvt. Ltd. 9/12/2013-BP&L	M/s Digi Space Network Pvt. Ltd. B-8, Marol Industrial Area, Next to MIDC Police Station, Andheri (East) Mumbai 400093	Notified areas of Mumbai	Permanent (for 10 years) Registration issued on 23.05.2014

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
88.	M/s Faction Digital Private Limited 9/104/2012-BP&L	M/s. Faction Digital Private Limited Sec. 8, Pocket-D-12, Plot No 79, 3'd Floor, Gate No.3, East Metro Station Rohini, New Delhi -110085	Notified Area of Delhi	Permanent (for 10 years) Registration issued on 06.01.2013
89.	M/s Kerala Communicators Cable Ltd. 9/83/2012-BP&L	M/s Kerala Communicators Cable Ltd. CC 281 491, Girinagar, Kadavanthara, Cochin -682 020	In the State of Kerala & Mahi	Permanent Registration issued on 21.03.2014
90.	Mona Netvision 9/105/2013-BP&L	Mona Netvision (owned by Shri Pradip Keshralal Dhakre) Plot No. 13/2 Survey No. 377, Vrattdarshan Tower, Tilak Nagar, Sillod, Tehsil -Sillod, Aurangabad	in the state of Maharashtra	Permanent (for 10 years) Registration issued on 25.03.2014
91.	M/s Pimpri Chinchwad Media Communications Pvt Ltd' 9/100/2013-BP&L	M/s Pimpri Chinchwad Media Communications Pvt Ltd' 5TH Floor Venkatesh Market Above pimpri Vegetable Market Pimpri Pune 411017	Notified areas of Pimpri-Chinchwad Area and Pune District,	Permanent(for 10 years) Registration issued on 20.01.2014
92.	M/s Raja Rajeshwari Entertainment pvt. Ltd. 9/43/2013-BP&L	M/s Raja Rajeshwari Entertainment pvt. Ltd. Trade Center , #29 / 4, 4th Floor, Race Course Road, Bangalore-01	Notified areas of Nellore District	Permanent(for 10 years) Registration issued on 28.03.2014
93.	M/s Sri Sai Communicatrons 9/63/2013-BP&L	M/s Sri Sai Communicatrons H .No 7-3-23 Sai Durga Nilayam.II Floor, Main Road Siddipet Medak Dist 502103 Andhra Pradesh	Notified areas of Siddipet,Medak,Warangal,Nalagonda, Karimnagar & Nizamabad	Permanent (For 10 Years) Registration issued on 21.02.2014
94.	M/s T.A. Digital Cable Network	M/s T.A. Digital Cable Network 20-4-104/411, Zam Zam Complex, Behind Charminar Bus stop, Hyderabad 500002	Notified areas in the state of Andhra Pradesh	Permanent(For 10 Years) Registration issued on 23.05.2014
95.	Time-N-Tune Communication 9/97/2013-BP & L	Time-N-Tune Communication 156-Jawahar Nagar, Talab Tillo, Jammu(J&K) 180002	Notified areas of Jammu & Kashmir ,Punjab,Himachal Pradesh,Rajasthan,Haryana,Uttar Pradesh & Delhi	Permanent Registration issued on 23.01.2014

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
96.	M/s Akash Tori Infocom Services 9/144/2013- BP&L	M/s Akash Tori Infocom Services S-1, 6&7, Commercial Estate, City Center, Durgapur – 16.	Phase III & IV States of West Bengal, Jharkhand, Bihar.	Permanent (for 10 years) Registration issued on 30.05.2014
97.	Air Media Network Pvt. Ltd. F No. 9/138/2013 BP&L	Air Media Network Pvt. Ltd. 86, Periyar EVR \high Road Chennai, 600007	Phase I, II, III, IV	Permanent (For 10 Years) Registration given on 19.6.2014
98.	M/s Nagai Television Network F. No. 9/91/2013	M/s Nagai Television Network 48, Big Bazar Street, Nagapattinum- 611001	Nagapattinum and Thiruvarur in the State of Tamil Nadu	Permanent (For 10 Years) Registration given on 13.6.2014
99.	Kerala Communicators Cable Limited, Kerla 9/83/2012- BP&L	Kerala Communicators Cable Limited, Kerla VII 495 ABC, Near uzhaveer Temple, south Thravu, Pudukkad, Thrissur- 680301	Notified area in the Stat of Kerla and Mahi.	Permanent (For 10 Years) Registration given on 21.3.2014
100.	M/s Digi Vishal Kanpur Network Pvt.Ltd 9/95/2013-BP&L	M/s Digi Vishal Kanpur Network Pvt.Ltd B-8, Marol, Industrial Area, Next to MIDC Police Station Andheri (E) Mumbai 400093	Kanpur in the State of Uttar Pradesh	Permanent (For 10 Years) Registration given on 02.06.2014
101.	M/s Studio 1 Television Network	M/s Studio 1 Television Network Main Bazar, Near Akali Gurudwara, Poonch, Jammu & Kashmir	Poonch Districts in the state of Jammu & Kashmir	Permanent (For 10 Years) Registration given on 06.06.2014
102.	J.K Satellite 9/132/2013 - BP&L	J.K Satellite J K Building Near Distric Hospital Kulgam Jammu & Kashmir 192231	Districts of Kulgam, Anantang and Shopian in the state of Jamu & Kashmir	Permanent (For 10 Years) registration given on 08.07.2014
103.	Sagar E Technologies 9/70/2013- BP&L	Sagar E Technologies No.165.9th Cross, Near KNE Trust School Ground above Dental Care, Indira Nagar 1st stage , Banglore 560038	In the state of Karnataka, Tamil Nadu Kerala, Maharashtra, Andhra Pradesh & Telangana Excluding Hyderabad	Permanent (For 10 Years) registration given on 08.07.2014
104	ACT Digital Home Entertainment Pvt Ltd 9/137/2012 - BP&L	ACT Digital Home Entertainment Pvt Ltd Trade Center 4th Floor 29/4 Race Course Road Banglore - 560001 Karnataka	Andhra Pradesh and Telangana	Permanent (For 10 Years) registration given on 10.07.2014
105	Maharaja Telesystems Private Limited 9/37/2013- BP&L	Maharaja Telesystems Privat Limited 1 Mohan Pehalwan Complex Bhuteshwar Tiraha Matura -281004 UttarPradesh	Agra of Phase-II and Phase – I, III, IV on all India basic	Permanent (For 10 Years) registration given on 08.07.2014

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
106	RVR Infrastructures Ltd 9/31/2012 BP&L	RVR Infrastructures Ltd 406 A Road No 18 , Jubilee Hills Hyderabad 500033	In the state of Telangana and Andhra Pradesh (excluding Visakhapatnam)	Permanent up to 22.7.2024 given registration issued on 22.08.2014
107	Sri Sai Digital Communications 9/21/2014 – BP&L	Sri Sai Digital Communications D.No. 2/38/1 Fareedpeta Village, Etcherla Mandal Srikakulam District Andhra Pradesh-532 410	Srikakulam District In the State of Andhra Pradesh	Permanent (For 10 Years) registration given on 24.07.2014
108	Paramount Digital Media services (P) Ltd. 9/143/2013 – BP&L	Paramount Digital Media services (P) Ltd. Corporate Office :G-366, Preet Vihar Delhi-110092	PAN INDIA	Permanent (For 10 Years) registration given on 24.07.2014
109	Citi Cable Network 9/112/2013 BP&L	Citi Cable Network 6th Floor,F-1,J.S. Vas Arcade, Behaind Indus Bank, AbadeFariaaRoad, Margo-Goa- 406301	In the State of Goa	Permanent (For 10 Years) registration given on 25.07.2014
110	Next Generation Cable Communication 9/8/2013 – BP&L	Next Generation Cable Communication 1345 Shivaji Nagar, Pune 41005	Pune District	Permanent (For 10 Years) registration given on 25.07.2014
111	Canara Star Communications Private Limited 9/140/2012 – BP&L	Canara Star Communications Private Limited IInd Floor,Vamanashram Building G.H.S Cross Road Mangalore-575008	In the State of Karnataka except Mysore City	Permanent (For 10 Years) registration given on 25.07.2014
112	Sree Digital Home Entertainment Pvt. Ltd. 9/119/2012 – BP&L	Sree Digital Home Entertainment Pvt. Ltd. Indian Express Building No.I 2nd Floor , Queens Road Bangalore - 560001	East Godavari District In the state of Andhra Pradesh	Permanent (For 10 Years) registration given on 21.08.2014

Annexure 5.2: A -la-carte rates of pay channels for non-CAS areas, as reported to TRAI by the respective Broadcasters

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

Annexure 5.2 (contd.)

S.No	Name of the channel	Reported Rates(in INR)
40	Life Ok	21.94
41	The MGM	06.42
42	Star Jalsha	12.00
43	ABP Ananda	06.00
44	FX	15.50
45	FOX CRIME	15.50
46	BABY TV	13.25
47	Nat Geo Wild	16.00
48	Nat Geo Adventure	16.00
49	Nat GEO Music	07.40
50	Asianet	12.45
51	Star Pravah	12.00
52	Star Movies Action	15.00
53	Movies OK	17.00
54	NDTV 24X7	09.10
55	NDTV Profit	06.42
56	NDTV Good Times	09.63
57	Suvarna	12.00
58	Asianet Plus	07.00
59	NDTV India	08.02
60	Zee Bangla Cinema	16.20
61	ABP Majha	09.20
62	SET(Sony Entertainment Television)	21.40
63	MAX	18.19
64	Discovery	16.05
65	Animal Planet	05.35
66	AXN	15.52
67	Animax	0.50
68	TLC	09.63
69	SAB TV	14.70
70	SET PIX	12.84
71	Aaj Tak	07.49
72	Headlines Today	03.21
73	Tez	02.14
74	Channel 8 (Sony AATH)	10.00
75	Discovery Science	12.00
76	Discovery Turbo	10.00
77	Neo Sports	26.60
78	NEO Prime	35.45
79	Discovery Channel – Tamil	16.05
80	MIX	07.50

Annexure 5.2 (contd.)

S.No	Name of the channel	Reported Rates(in INR)
81	Discovery Kids	13.25
82	SIX	35.00
83	ET NOW	08.50
84	Times Now	09.10
85	Zoom	08.35
86	The Disney Channel	09.52
87	Disney XD	09.52
88	Hangama TV	08.35
89	IBN 7	07.49
90	IBN Lokmat	07.86
91	Colors	21.40
92	MTV	07.49
93	NICK	06.42
94	VH 1	03.21
95	CNBC TV 18	09.10
96	CNN-IBN	05.35
97	CNBC Awaaz	04.82
98	ETV	10.70
99	ETV 2	05.99
100	ETV Bangla	11.12
101	ETV Marathi	11.12
102	ETV Kannada	11.12
103	ETV Gujarathi	11.12
104	ETV Oriya	11.12
105	ETV UP	11.12
106	ETV Bihar	11.12
107	ETV Urdu	11.12
108	ETV Rajasthan	11.12
109	ETV MP	11.12
110	Bindass	10.00
111	UTV Action	10.00
112	World Movies	10.00
113	UTV Movies	15.00
114	Disney Junior	13.37
115	Nick Jr / Teen Nick	13.37
116	Comedy Central	15.50
117	SONIC	13.00
118	SUN TV	13.26
119	Gemini TV	11.02
120	Udaya TV	12.30

Annexure 5.2 (contd.)

S.No	Name of the channel	Reported Rates(in INR)
121	K TV	16.06
122	Gemini Comedy	05.68
123	Udaya Movies	15.40
124	Sun Music	07.50
125	Gemini Music	07.50
126	Sun News	01.50
127	Gemini News	08.02
128	Udaya News	07.86
129	Gemini Movies	18.20
130	Chintu TV	13.37
131	Udaya Comedy	16.06
132	Kushi TV	13.37
133	Chutti TV	13.37
134	Udaya Music	07.49
135	Adithya TV	18.19
136	Surya TV	12.31
137	Kiran TV	18.19
138	Sun News English	08.00
139	Gemini Life	11.13
140	SUN TV RI	12.50
141	SUN Life	12.50
142	BBC World	05.35
143	Star Sports 4	35.45
144	Star Sports 1	35.45
145	Star Sports 3	29.96
146	Star Sports 2	36.00
147	Raj TV	11.77
148	Raj Digital Plus	08.26
149	Vissa TV	05.01
150	Raj Musix	05.00
151	Raj News (24X7	04.00
152	Raj Musix Kannada	05.50
153	9XM	07.00
154	9X Jhakaas	05.00
155	9XO	05.00
156	9X Jalwa	05.00
157	Sahara One	20.50
158	Filmy	16.50
159	B4U Movies	06.65
160	MAA TV	06.00
161	MAA Music	07.50

Annexure 5.2 (contd.)

S.No	Name of the channel	Reported Rates(in INR)
162	MAA Movies	18.50
163	MAA Gold	11.00
164	Dilli Aaj Tak	08.50
165	E-24	15.00
166	Toonami	13.37
167	Tarang	10.70
168	Tarang Music	05.00
169	Prarthana	05.00
170	Ten Sports	16.05
171	Ten Cricket	35.45
172	Ten Action	35.00
173	BIG CBS PRIME	14.00
174	BIG CBS LOVE	11.00
175	BIG CBS SPARK	11.00
176	BIG CBS Spark Punjabi	11.00
177	BIG MAGIC	11.00
178	Bloomberg UTV	08.50
179	9X Tashan	05.00
180	Sarthak TV	09.50
181	Jaya TV	09.00
182	Jaya Plus	04.00
183	Jaya Max	06.00
184	J Movies	06.00
185	Mega TV	05.00
186	Mega Musiq	05.00
187	Mega 24	05.00

Annexure 5.3 : List of operational private FM Radio Stations in India

S No.	CITY	NAME OF THE COMPANY	CHANNEL IDENTITY	DATE OF OPERATIONALISATION
1	KOLKATA	ANANDA OFFSET	FRIEND 91.9	28.02.2007
2	KANNUR	ASIANET COMMUNICATION	BEST FM	13.01.2008
3	THRISSUR	ASIANET COMMUNICATION	BEST FM	23.12.2007
4	AHMEDNAGAR	B.A.G. INFOTAINMENT	RADIO-DHAMAL	07.02.2008
5	DHULE	B.A.G. INFOTAINMENT	RADIO-DHAMAL	15.08.2007
6	HISSAR	B.A.G. INFOTAINMENT	RADIO-DHAMAL	18.06.2007
7	JABALPUR	B.A.G. INFOTAINMENT	RADIO-DHAMAL	15.02.2008
8	JALGOAN	B.A.G. INFOTAINMENT	RADIO-DHAMAL	01.04.2008
9	KARNAL	B.A.G. INFOTAINMENT	RADIO-DHAMAL	18.06.2007
10	MUZAFFARPUR	B.A.G. INFOTAINMENT	RADIO-DHAMAL	01.08.2007
11	PATIALA	B.A.G. INFOTAINMENT	RADIO-DHAMAL	18.06.2007
12	RANCHI	B.A.G. INFOTAINMENT	RADIO-DHAMAL	15.11.2007
13	SHIMLA	B.A.G. INFOTAINMENT	RADIO-DHAMAL	05.11.2009
14	GANGTOK	CHINAR CIRCUITS	NINE-91.9 FM	25.09.2008
15	DELHI	CLEAR MEDIA	HIT-FM	01.09.2006
16	AHMEDABAD	D.B. CORP.	MY-FM	21.07.2007
17	AJMER	D.B. CORP.	MY-FM	31.08.2007
18	AMRITSAR	D.B. CORP.	MY-FM	27.07.2007
19	BHOPAL	D.B. CORP.	MY-FM	26.05.2007
20	BILASPUR	D.B. CORP.	MY-FM	27.09.2007
21	CHANDIGARH (UT)	D.B. CORP.	MY-FM	19.02.2007
22	GWALIOR	D.B. CORP.	MY-FM	06.08.2007
23	INDORE	D.B. CORP.	MY-FM	11.08.2007
24	JABALPUR	D.B. CORP.	MY-FM	23.02.2008
25	JAIPUR	D.B. CORP.	MY-FM	28.05.2006
26	JALANDHAR	D.B. CORP.	MY-FM	19.04.2007
27	JODHPUR	D.B. CORP.	MY-FM	20.12.2007

Annexure 5.3 (Contd.)

S No.	CITY	NAME OF THE COMPANY	CHANNEL IDENTITY	DATE OF OPERATION- LISATION
28	KOTA	D.B. CORP.	MY-FM	02.02.2008
29	NAGPUR	D.B. CORP.	MY-FM	21.10.2007
30	RAIPUR	D.B. CORP.	MY-FM	16.01.2008
31	SURAT	D.B. CORP.	MY-FM	27.08.2007
32	UDAIPUR	D.B. CORP.	MY-FM	07.07.2007
33	DELHI	DIGITAL RADIO	RED-FM	29.04.2003 (01.04.2005*)
34	MUMBAI	DIGITAL RADIO	RED-FM	29.04.2002 (01.04.2005*)
35	KOLKATA	DIGITAL RADIO	RED-FM	03.05.2003 (01.04.2005*)
36	BHUBANESHW AR/ CUTTAK	EASTERN MEDIA	CHOCOLATE	04.05.2007
37	ROURKELA	EASTERN MEDIA	RADIO- CHOCOLATE	23.01.2008
38	AHMEDABAD	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	10.12.2001(01. 04.2005*)
39	AURANGABAD	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	24.07.2007
40	BENGALURU	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	17.04.2006
41	BHOPAL	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	26.05.2007
42	CHENNAI	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	05.05.2003 (01.04.2005*)
43	COIMBATORE	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	03.11.2007
44	DELHI	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	29.04.2003 (01.04.2005*)
45	HYDERABAD	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	19.04.2006
46	INDORE	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	01.10.2001 (01.04.2005*)
47	JABALPUR	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	16.02.2008
48	JAIPUR	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	17.04.2006
49	JALANDHAR	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	24.04.2007
50	KANPUR	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	16.06.2007

Annexure 5.3 (Contd.)

S No.	CITY	NAME OF THE COMPANY	CHANNEL IDENTITY	DATE OF OPERATIONALISATION
51	KOLHAPUR	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	18.09.2007
52	KOLKATA	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	03.05.2003 (01.04.2005*)
53	LUCKNOW	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	13.08.2007
54	MADURAI	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	28-09.2007
55	MANGALORE	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	24.11.2007
56	MUMBAI	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	29.04.2002 (01.04.2005*)
57	NAGPUR	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	18.10.2007
58	NASIK	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	06.07.2007
59	PANAJI	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	22.05.2007
60	PATNA	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	02.04.2007
61	PUNE	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	18.10.2002 (01.04.2005*)
62	RAIPUR	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	11.01.2008
63	RAJKOT	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	13.06.2007
64	SURAT	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	21.08.2007
65	THIRUVANANTHA PURAM	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	29.01.2008
66	VADODARA	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	05.06.2007
67	VARANASI	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	14.07.2007
68	VIJAYWADA	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	11.12.2007
69	VISHAKAPATNAM	ENTERTAINMENT NETWORK INDIA LTD.	RADIO- MIRCHI	26.10.2007
70	GWALIOR	GWALIOR FARMS	CHASKA	04.08.2007
71	BENGALURU	H.T. MEDIA	FEVER 104	06.03.2007
72	DELHI	H.T. MEDIA	FEVER 104	30.10.2006
73	KOLKATA	H.T. MEDIA	FEVER 104	23.01.2008

Annexure 5.3 (Contd.)

S No.	CITY	NAME OF THE COMPANY	CHANNEL IDENTITY	DATE OF OPERATION- LISATION
74	MUMBAI	H.T. MEDIA	FEVER 104	15.01.2007
75	KOLKATA	HITZ FM	POWER-FM	03.05.2003
76	KOLKATA	INDIA FM	AMAR-FM	03.05.2003
77	BENGALURU	INDIA RADIO VENTURES	RADIO-INDIGO	01.10.2006
78	PANAJI	INDIA RADIO VENTURES	RADIO-INDIGO	25.06.2007
79	GWALIOR	ITM SOFTWARE	SUNO LEMON	07.09.2007
80	BENGALURU	KAL RADIO	S. FM	06.11.2006
81	GULBERGA	KAL RADIO	S. FM	03.06.2008
82	HYDERABAD	KAL RADIO	S. FM	06.11.2006
83	KANNUR	KAL RADIO	S. FM	12.03.2008*
84	KOCHI	KAL RADIO	S. FM	17.05.2008*
85	KOZIKODE	KAL RADIO	S. FM	07.12.2007
86	MADURAI	KAL RADIO	S. FM	05.10.2007
87	MANGALORE	KAL RADIO	S. FM	21.02.2008
88	MYSORE	KAL RADIO	S. FM	03.04.2008
89	PUDUCHERRY (UT)	KAL RADIO	S. FM	20.12.2007
90	RAJAHMUNDRY	KAL RADIO	S. FM	19.01.2008
91	THIRUVANANTHA PURAM	KAL RADIO	S. FM	06.02.2008
92	THRISSUR	KAL RADIO	S. FM	26.12.2007
93	TIRUCHI	KAL RADIO	S. FM	17.01.2008
94	TIRUPATI	KAL RADIO	S. FM	27.08.2007
95	TUTICORIN	KAL RADIO	S. FM	05.10.2007
96	VIJAYWADA	KAL RADIO	S. FM	25.12.2007
97	WARANGAL	KAL RADIO	S. FM	28.04.2008
98	CHENNAI	MALAR PUBLICATIONS	HELLO-FM	02.10.2006
99	COIMBATORE	MALAR PUBLICATIONS	HELLO-FM	29.10.2007
100	MADURAI	MALAR PUBLICATIONS	HELLO-FM	01.10.2007

Annexure 5.3 (Contd.)

S No.	CITY	NAME OF THE COMPANY	CHANNEL IDENTITY	DATE OF OPERATIONALISATION
101	PUDUCHERRY (UT)	MALAR PUBLICATIONS	HELLO-FM	23.12.2007
102	TIRUCHI	MALAR PUBLICATIONS	HELLO-FM	14.01.2008
103	TIRUNELVELI	MALAR PUBLICATIONS	HELLO-FM	13.10.2007
104	TUTICORIN	MALAR PUBLICATIONS	HELLO-FM	15.10.2007
105	KANNUR	MALAYALA MANORAMA CO. LTD.	MANGO FM	30.12.2007
106	KOCHI	MALAYALA MANORAMA CO. LTD.	MANGO FM	18.05.2008
107	KOZIKODE	MALAYALA MANORAMA CO. LTD.	MANGO FM	29.11.2007
108	THRISSUR	MALAYALA MANORAMA CO. LTD.	MANGO FM	14.12.2007
109	AHMEDABAD	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	25.07.2007
110	AHMEDNAGAR	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	08.02.2008
111	AKOLA	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	07.02.2008
112	BENGALURU	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	10.06.2001 (01.04.2005*)
113	CHENNAI	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	10.07.2006
114	COIMBATORE	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	12.11.2007
115	DELHI	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	29.04.2003 (01.04.2005*)
116	HYDERABAD	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	30.05.2006
117	JAIPUR	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	08.09.2006
118	JALGOAN	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	22.05.2008
119	LUCKNOW	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	10.12.2001 (01.04.2005*)
120	MUMBAI	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	21.05.2002 (01.04.2005*)
121	NAGPUR	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	21.10.2007
122	NANDED	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	15.05.2008
123	PUNE	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	10.04.2008
124	SANGLI	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	21.12.2007
125	SHOLAPUR	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	14.11.2007
126	SURAT	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	22.08.2007

Annexure 5.3 (Contd.)

S No.	CITY	NAME OF THE COMPANY	CHANNEL IDENTITY	DATE OF OPERATION- LISATION
127	VADODARA	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	11.06.2007
128	VISHAKAPATNAM	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	29.10.2007
129	CHENNAI	MUTHOOT FINANCE	CHENNAI LIVE	04.01.2008
130	JAMSHEDPUR	NEUTRAL PUBLICATION	DHOOM FM	18.07.2008
131	RANCHI	NEUTRAL PUBLICATION	DHOOM FM	18.07.2008
132	CHENNAI	NOBLE BROADCASTING	AAHAA-FM	18.01.2007
133	GANGTOK	PCM CEMENT CONCRETE PVT. LTD.	MISTY FM	31.01.2009
134	SILIGURI	PCM CEMENT CONCRETE PVT. LTD.	MISTY FM	14.11.2007
135	AGARTALA	POSITIVE RADIO	OOLALA FM	07.08.2007
136	ITANAGAR	POSITIVE RADIO	OOLALA FM	05.08.2008
137	KOLHAPUR	PUDHARI PUBLICATION	TOMOTO FM	21.09.2007
138	SANGLI	PUDHARI PUBLICATION	TOMOTO FM	21.09.2009
139	GUWAHATI	PURVY BROADCASTING	GUP-SHUP	09.10.2007
140	AHMEDABAD	RADIO MID-DAY	RADIO-ONE [1]	26.08.2007
141	BENGALURU	RADIO MID-DAY	RADIO-ONE [1]	01.08.2006
142	CHENNAI	RADIO MID-DAY	RADIO-ONE [1]	10.01.2007
143	DELHI	RADIO MID-DAY	RADIO-ONE [1]	23.09.2006
144	KOLKATA	RADIO MID-DAY	RADIO-ONE [1]	12.12.2008
145	MUMBAI	RADIO MID-DAY	RADIO-ONE [1]	29.04.2003 (01.04.2005*)
146	PUNE	RADIO MID-DAY	RADIO-ONE [1]	12.05.2008
147	JAIPUR	RAJASTHAN PATRIKA	RADIO-TADKA	15.08.2006
148	KOTA	RAJASTHAN PATRIKA	RADIO-TADKA	25.02.2008
149	RAIPUR	RAJASTHAN PATRIKA	RADIO-TADKA	10.02.2009
150	UDAIPUR	RAJASTHAN PATRIKA	RADIO-TADKA	27.08.2007
151	RAIPUR	RANEKA FINCOM	RANGILA104.8	01.02.2008
152	AGRA	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	18.08.2007

Annexure 5.3 (Contd.)

S No.	CITY	NAME OF THE COMPANY	CHANNEL IDENTITY	DATE OF OPERATIONA-LISATION
153	AJMER	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	28.08.2007
154	ALIGARH	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	08.12.2006
155	ALLAHABAD	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	29.10.2007
156	AMRITSAR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	01.08.2007
157	ASANSOL	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	29.06.2007
158	BAREILY	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	30.03.2007
159	BENGALURU	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	09.10.2006
160	BHOPAL	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	20.05.2007
161	BHUBANESHWAR / CUTTAK	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	14.04.2007
162	BIKANER	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	19.01.2007
163	CHANDIGARH (UT)	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	12.02.2007
164	CHENNAI	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	27.09.2006
165	DELHI	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	24-09-2006
166	GUWAHATI	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	14.04.2007
167	GWALIOR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	06.08.2007
168	HISSAR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	02.03.2007
169	HYDERABAD	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	25.09.2006
170	INDORE	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	03.08.2007
171	JALANDHAR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	14.04.2007
172	JAMMU	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	07.12.2006
173	JAMSHEDPUR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	07.11.2007
174	JHANSI	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	19.01.2007

Annexure 5.3 (Contd.)

S No.	CITY	NAME OF THE COMPANY	CHANNEL IDENTITY	DATE OF OPERATIONA-LISATION
175	JODHPUR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	14.12.2007
176	KANPUR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	14.06.2007
177	KOLKATA	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	21.10.2006
178	KOTA	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	21.01.2008
179	MANGALORE	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	24.11.2007
180	MUMBAI	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	14.11.2006
181	MYSORE	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	14.10.2007
182	PANAJI	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	22.05.2007
183	PATIALA	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	01.08.2007
184	PUDUCHERRY (UT)	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	01.12.2007
185	RAJKOT	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	13.06.2007
186	RANCHI	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	24.10.2007
187	ROURKELA	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	06.01.2008
188	SHIMLA	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	30.06.2009
189	SHOLAPUR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	08.11.2007
190	SRI-NAGAR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	10.12.2006
191	SURAT	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	29.08.2007
192	THIRUVANANTHA PURAM	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	28.01.2008
193	TIRUPATI	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	01.08.2007
194	UDAIPUR	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	03.08.2007
195	VADODARA	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	05.06.2007
196	VISHAKAPATNAM	RELIANCE BROADCAST NETWORK LTD.	BIG-FM	27.10.2007

Annexure 5.3 (Contd.)

S No.	CITY	NAME OF THE COMPANY	CHANNEL IDENTITY	DATE OF OPERATIONA-LISATION
197	AGRA	SHRI PURAN MULTIMEDIA	MANTRA FM	08.07.2007
198	BAREILY	SHRI PURAN MULTIMEDIA	MANTRA FM	09.04.2007
199	GORAKHPUR	SHRI PURAN MULTIMEDIA	MANTRA FM	03.06.2007
200	HISSAR	SHRI PURAN MULTIMEDIA	MANTRA FM	21.03.2007
201	JALANDHAR	SHRI PURAN MULTIMEDIA	MANTRA FM	14.04.2007
202	KARNAL	SHRI PURAN MULTIMEDIA	MANTRA FM	02.04.2007
203	RANCHI	SHRI PURAN MULTIMEDIA	MANTRA FM	27.10.2007
204	VARANASI	SHRI PURAN MULTIMEDIA	MANTRA FM	20.07.2007
205	AHMEDABAD	SOUTH ASIA	S. FM	21.04.2008
206	ALLAHABAD	SOUTH ASIA	S. FM	18.03.2008
207	ASANSOL	SOUTH ASIA	S. FM	03.06.2008
208	AURANGABAD	SOUTH ASIA	S. FM	21.04.2008
209	BHUBANESHWAR / CUTTAK	SOUTH ASIA	S. FM	28.06.2007
210	GANGTOK	SOUTH ASIA	S.FM	06.03.2009
211	GUWAHATI	SOUTH ASIA	S. FM	08.04.2008
212	JABALPUR	SOUTH ASIA	S. FM	19.03.2008
213	JAMSHEDPUR	SOUTH ASIA	S. FM	13.04.2008
214	KANPUR	SOUTH ASIA	S. FM	28.01.2008
215	NAGPUR	SOUTH ASIA	S. FM	05.05.2008
216	NASIK	SOUTH ASIA	S. FM	17.04.2008
217	PUNE	SOUTH ASIA	S. FM	22.07.2008
218	RAJKOT	SOUTH ASIA	S. FM	21.04.2008
219	SHILLONG	SOUTH ASIA	S. FM	13.06.2008
220	SILIGURI	SOUTH ASIA	S. FM	28.10.2008
221	VADODARA	SOUTH ASIA	S. FM	17.04.2008
222	VARANASI	SOUTH ASIA	S. FM	29.12.2007

Annexure 5.3 (Contd.)

S No.	CITY	NAME OF THE COMPANY	CHANNEL IDENTITY	DATE OF OPERATION- LISATION
223	BHOPAL	SOUTH ASIA	S. FM	06.11.2007
224	INDORE	SOUTH ASIA	S. FM	09.12.2007
225	AIZAWL	SOUTH ASIA	S. FM	16.09.2013
226	JAIPUR	SOUTH ASIA	S. FM	06.11.2006
227	LUCKNOW	SOUTH ASIA	S. FM	06.11.2007
228	CHENNAI	SUN TV	SURYANA FM	05.05.2003 (01.04.2005*)
229	COIMBATORE	SUN TV	SURYANA FM	07.03.2003 (01.04.2005*)
230	TIRUNELVELI	SUN TV	SURYANA FM	07.03.2003 (01.04.2005*)
231	SILIGURI	SYNTECH INFORMATICS	HIGH FM	24.11.2007
232	KANNUR	THE MATHRABHUMI	CLUB-FM	30.12.2007
233	KOCHI	THE MATHRABHUMI	CLUB-FM	17.05.2008
234	THIRUVANANTHA PURAM	THE MATHRABHUMI	CLUB-FM	29.01.2008
235	THRISSUR	THE MATHRABHUMI	CLUB-FM	14.12.2007
236	AMRITSAR	TV. TODAY	RADIO- MEOW	01.06.2008
237	DELHI	TV. TODAY	RADIO- MEOW	28.05.2007
238	JODHPUR	TV. TODAY	RADIO- MEOW	01.06.2008
239	KOLKATA	TV. TODAY	RADIO- MEOW	04.10.2007
240	MUMBAI	TV. TODAY	RADIO- MEOW	26.01.2008
241	PATIALA	TV. TODAY	RADIO- MEOW	01.06.2008
242	SHIMLA	TV. TODAY	RADIO- MEOW	01.10.2009
243	VISHAKAPATNAM	UDAYA TV	VISAKHA FM	06.02.2003 (01.04.2005*)

Source: Ministry of Information & Broadcasting

**Annexure 5.4 : List of applicants who have been granted
DTH License**

- 1. M/s. Tata Sky Ltd.,**
3rd Floor, Bombay Dyeing A.O. Building,
Pandurang Budhkar Marg, Worli,
Mumbai – 400 025
Tel: 022-6613 3000
Fax-022-6613 3030/6616 3013

- 2. M/s Dish TV India Ltd.**
FC-19, Sector-16A, Film City,
Noida-201301
Tel: 91-120-2511064-78
Fax: 91-120-2511186

- 3. SUN Direct TV(P) Ltd.**
Murasoli Maran Towers, 73, MRC Nagar,
Main Road, MRC Nagar, Chennai – 28
PH: 044-44676767

- 4. Bharti Telemedia Ltd.**
Airtel centre, Plot No 16, Udyog Vihar Phase IV, ,
Gurgaon – 122015
Ph: 0124-4222222

- 5. Reliance Big TV Pvt. Ltd.**
3rd Floor, B-Wing,
Reliance Centre,
Maharaja Ranjit Singh Marg,
New Delhi – 110 002
Ph: 011-30332832

- 6. M/s Videocon d2h Limited.**
Plot No 1D, Udyog Vihar, Industrial Area,
Surajpur, Greater NOIDA,
Distt, Gautam Budh Nagar , - 201 306
PH: 0120-6141000

Annexure 5.5: List of permitted teleports at various locations in India

[As on 20/03/2013]

Sr. No	Name of Teleport	Address	Location	Date of Permission
1	TV TODAY NETWORK LIMITED	TV TODAY NETWORK LIMITED FC-8, SECTOR-16A, NOIDA(UP)	NEW DELHI	22-Nov-2000
2	SUN TV LTD.	R S NO. 4288/72, 73 & 116, BLOCK NO. 94, MRC NAGAR CHENNAI-600018	CHENNAI	12-Mar-01
3	ENTERTAINMENT TELEVISION NETWORK PVT. LTD	7B, SHAH INDUSTRIAL ESTATE, OFF VEERA DESAI ROAD, ANDHERI W , MUMBAI-400053	MUMBAI	23-May-01
4	USHODAYA ENTERPRISES LTD.	6-3-570, EENADU COMPLEX, SOMAJIGUDA, HYDERABAD- 500082	HYDERABAD	23-May-01
5	ESSEL SHYAM COMMUNICATION LIMITED	C-34, SECTOR-62, ELECTRONIC CITY, NOIDA-201307	NOIDA	3-Sep-01
6	ASIANET INFRASTRUCTURE PVT. LTD.	ASIANET STUDIO/COMPLEX, PULIYARAKONAM P.O. THIRUVANANTHAPURAM KERALA	THIRUVANANTHAPURAM	17-Oct-01
7	ESSEL SHYAM COMMUNICATION LTD	C-34, ELECTRONIC CITY, SECTOR-62, NOIDA-201307	NOIDA-2	7-Feb-02
8	SAHARA SANCHAR LIMITED	SAHARA INDIA COMPLEX, C-2, C-3, SECTOR-XI NOIDA-201301	NOIDA	12-Feb-02
9	TELEVISION EIGHTEEN INDIA LIMITED	VIDEOCON TOWER, E-1 RANI JHANSI ROAD, JHANDEWALAN EXTN., NEW DELHI-110055	NEW DELHI	18-Mar-02
10	NEW DELHI TELEVISION LTD. (NDTV)	ARCHANA COMPLEX, GREATER KAILASH-I, NEW DELHI-110048	NEW DELHI	11-Jun-02
11	INDIAVISION COMMUNICATIONS LTD.	SATELLITE TATU'S TOWER, 32/1787, PADIVATTOM, NH BY-PASS ROAD, KOCHI (KERALA) 682024	KOCHI -KERALA	7-Nov-02
12	NOIDA SOFTWARE TECHNOLOGY PARK LTD.	B-23-25, POCKET-C, SURAJPUR INDUSTRIAL AREA, GREATER NOIDA(U.P)	GREATER NOIDA	27-Jan-03
13	DISH TV INDIA LIMITED (Formerly known ASC Enterprises Ltd.)	FC-19, SECTOR-16A, NOIDA- 201301 (U.P.)	NOIDA	2-Apr-03
14	POSITIVE TELEVISION PVT. LTD.	7 C, DOCTORS LANE, GOL MARKET, NEW DELHI-110001	GUWAHATI	9-Jun-03
15	CHANNEL GUIDE INDIA LTD.	BOKADIA MANSION, 3RD FLOOR,229, PRINCESS STREET, MUMBAI	MUMBAI	15-Sep-03
16	INDIASIGN PVT. LTD.	A-49, SECTOR-18, ELECTRONICS CITY, HARTRON COMPLEX, GURGAON(HARYANA)	GURGAON	18-Nov-03
17	ASSOCIATED BROADCASTING PVT. LTD.	CO.NO.97, ROAD NO.3, BANJARA HILLS, HYDERABAD- 500034	HYDERABAD	24-Nov-03
18	AV ENTERTAINMENT PVT. LTD.	240, ZONE-I, M.P.NAGER, BHOPAL(M.P)	BHOPAL	15-Dec-03

Annexure 5.5 (Contd.)

Sr.No	Name of Teleport	Address	Location	Date of Permission
19	TELEVISION EIGHTEEN INDIA LIMITED	EMPIRE COMPLEX, 414, SENAPATI BAPAT MARG, LOWER PAREL, MUMBAI-400013	MUMBAI	19-Mar-04
20	AMRITA ENTERPRISES PVT. LTD.	TCNO.15/1069, AMRITA, GANDHI NAGER, VAZHUTHANCADU, THIRUVANANTHAPURAM-695014	THIRUVANANTHAPURAM	20-Apr-04
21	MAVIS SATCOM LIMITED	NO.48 NP, JAWAHARLAL NEHRU ROAD, EKKATUTHANGAL, CHENNAI-600092	CHENNAI	22-Apr-04
22	TATA COMMUNICATIONS LTD.VSNL	VSNL, TECHNICAL COMPLEX, SDF BUILDING, SALT LAKE, KOLKATTA-700091	KOLKATTA	14-May-04
23	TATA COMMUNICATIONS LTD. VSNL	VSNL, VSB, KAKKANAD, THIRKKAKARA, ERNAKULAM, COACHIN-682030	COCHIN	14-May-04
24	TATA COMMUNICATIONS LTD., VSNL,	THIRUVELLUVAR SATELLITE VSNL EARTH STATION, REDHILLS ROAD, AMBATTUR, CHENNAI-600053	CHENNAI	14-May-04
25	TATA COMMUNICATIONS LTD., VSNL	VSNL, VSB, BANGLA SAHAB ROAD, NEW DELHI-110001	NEW DELHI	14-May-04
26	TATA COMMUNICATIONS LTD., VSNL	VSNL,VSB, FORT, MG ROAD, MUMBAI-400001	MUMBAI	14-May-04
27	LAMHAS SATELLITE LTD.	SERVICES 161, TOWER-I, INTERNATIONAL INFOTECH PARK, VASHI, NAVI MUMBAI	MUMBAI	10-Aug-04
28	MALAYALAM COMMUNICATIONS LTD.	MALAYALAM COMMUNICATIONS LTD. CHANDRAGIRI 61, VIKRAMPURAM HILLS,KOWDIAR P.O., THIRUVANANTHAPURAM-695003	THIRUVANANTHAPURAM	22-Dec-04
29	SANSKAR INFO TV PVT. LTD.	B-10, MELKAY BUILDING, OPP. MAROL TELEPHONE EXCHANGE, CENTRAL ROAD, MIDC, ANDHERI E, MUMBAI-400093	MUMBAI	23-Feb-05
30	BENNETT COLEMAN AND CO. LTD.	BENNETT, COLEMAN & CO. LTD., THE TIMES OF INDIA BUILDING, DR. D.N ROAD, MUMBAI-400001	MUMBAI	2-May-05
31	SENIOR MEDIA LTD.	SENIOR MEDIA LTD NO.3, SIRI FORT ROAD, NEW DELHI-49	NEW DELHI	5-May-05
32	LOK PRAKASHAN LTD.	LOK PRAKASHAN LTD. 57 CHOWRINGHEE ROAD, HORIZON, 3RD FLOOR, KOLKATA-700071	AHMEDABAD	6-May-05
33	CALCUTTATELEVISION NETWORK PVT. LTD.	CALCUTTA TELEVISION NETWORK PVT. LTD. 89 M.B.ROAD BIRATI, KOLKATA-70051	KOLKATA	22-Aug-05
34	KOHINOOR CORPORATION LTD.	BROADCASTING KOHINOOR BROADCASTING CORPORATION LTD. TAGORE COMPLEX, MODEL TOWN, PATIALA-147001, PUNJAB	RAJPURA - PUNJAB	9-Sep-05

Annexure 5.5 (Contd.)

Sr.No	Name of Teleport	Address	Location	Date of Permission
35	TELEVISION EIGHTEEN INDIA LIMITED	VIDEOCON TOWER, E-1 RANI JHANSI ROAD, JHANDEWALAN EXTN., NEW DELHI-110055	NOIDA	14-Sep-05
36	KAMYAB TV PVT. LTD. (Formerly known as MD TV Pvt. Ltd.)	KAMYAB TV PVT. LTD. 168, EKAMRA MARG, UNIT-6 BHUBANESHWER-751001	BHUBANESHWER	30-Sep-05
37	KASTURI MEDIA PVT. LTD.	KASTHURI MEDIAS PVT. LTD. NO.286, 3RD MAIN ROAD, J.P. NAGER, BANGLORE-560078	BANGALORE	10-Nov-05
38	SST MEDIA PVT. LTD.	57 J.L NEHRU ROAD HORIZON, 3RD FLOOR, KOLKATA-700071	KOLKATA	30-Nov-05
39	ESSEL SHYAM COMMUNICATION LTD.	ROYAL PALAMS, SURVEY NO. 169, NEAR UNIT 26, AAREY MILK COLONY GOREGAON EAST, MUMBAI- 400065	MUMBAI	2-Dec-05
40	MM TV LTD.	MM TV LTD. POST BOX NO. 106, KANDATHIL VARGHESE MAPPILLAI MEMORIAL SOCIETY BUILDING K.K.ROAD, KOTTAYAM-686001, KERALA	ALAPUZZA	2-Mar-06
41	IN CABLENET ANDHRA LTD.	IN CABLENET ANDHRA LTD. 98, OM PLAZA, DOMALGUDA, HYDERABAD-500029	HYDERABAD	9-Mar-06
42	INDRA TELEVISION LTD.	INDRA TELEVISION LTD. MEGA CITY NO. 338, ROAD NO.3, ARORA COLONY BANJARA HILLS HYDERABAD-500034	HYDERABAD	7-Jun-06
43	SUN TV LTD.	R S NO. 4288/72,73 & 116, BLOCK NO. 94, MRC NAGAR CHENNAI-600018	CHENNAI	14-Jul-06
44	MEDIA CONTENT AND COMMUNICATION INDIA PRIVATE LIMITED	DLF CNTRE, 7TH FLOOR, 4 SNANSAD SERVICESMARG, NEW DELHI-110001	NOIDA	20-Sep-06
45	TATA SKY LIMITED	TATA SKY LTD. 3RD FLOOR,C-1, WADIA INTERNATIONAL CENTRE BOMBAY DYEING, PANDURANG BUDHAR MARG, WORLI, MUMBAI-400025	NEW DELHI	20-Sep-06
46	SATISH SUGERS LTD.	VAISHNAVI BHAVANA, 89/1, 1ST A MAIN ROAD, INDUSTRIAL SUBRUB, 2ND STAGE, YESHWANTHPUR, BANGLORE-560022	BANGALORE	26-Sep-06
47	SHITAL FIBRES LTD.	SHITAL FIBRES LTD. A-17, FOCAL POINT EXTENSION, P.O.BOX NO. 407 AND 449, JALLANDHAR-144004	JALANDHAR	29-Sep-06
48	MH ONE TV NETWORK LTD.	MH ONE TV NETWORK LTD. 2,SSI INDUSTRIAL AREA, GT KARNAL ROAD, DELHI-33	DELHI	23-Nov-06
49	STV ENTERPRISES LTD.	268 MASJID KOTH, NEAR UDAI PARK MARKET, NEW DELHI-110049	NEW DELHI	11-Jan-07
50	AIRR X MEDIA LTD.	502 ASHWIN ATHWA LINES SURAT GUJARAT	SURAT	13-Mar-07

Annexure 5.5 (Contd.)

Sr.No	Name of Teleport	Address	Location	Date of Permission
51	BROADCAST EQUIPMENTS INDIA PVT. LTD.	370-371/2, FIRST FLOOR, HOSPITAL ROAD, JANGPURA, NEW DELHI-110014	NEW DELHI	21-May-07
52	WINNING COMMUNICATIONS LTD.	EDGEWINNING EDGE COMMUNICATIONS LTD. 301, SWARNA JAYANTHI COMPLEX, AMEERPET, HYDERABAD-500038	HYDERABAD	25-May-07
53	INDIASIGN PVT. LTD.	GL-34/1 SALLAKE ELECTRONIC COMPLEX SECTOR-5, KOLKATA WEST BANGAL	KOLKATA	15-Jun-07
54	INDIASIGN PVT. LTD.		CHENNAI	15-Jun-07
55	RACHANA TELEVISION PVT. LTD.	PLOT NO. 564-A-19-III, ROAD NO.92, JUBILEE HILLS, HYDERABAD-500033	HYDERABAD	15-Jun-07
56	ORTEL COMMUNICATIONS LTD.	ORTEL COMMUNICATIONS LTD. B-7/122 A, SAFDARJUNG ENCLAVE, NEW DELHI-110029	BHUBANESHWER	25-Jun-07
57	SOWBHAGYA EXPORTS LTD.	SOWBHAGYA EXPORTS LTD. 77/14 SKD NAGER, SRINAGER COLONY HYDERABAD-500073 ANDHRA PRADESH	HYDERABAD	4-Jul-07
58	ESSEL SHYAM COMMUNICATION LTD.	C-138, NARAINA INDUSTRIAL AREA-I, AROOR NEW DELHI-28	KERALA	5-Jul-07
59	PRAGYA VISION PVT. LTD.	FC-13, SECTOR 16A, FILM CITY, NOIDA-201301	NOIDA	5-Sep-07
60	BRAHMAPUTRA TELE-PRODUCTIONS PVT. LTD.	13 TH MILE TAMULIKUCHI BYRNIHAT RI -BHOI MEGHALAYA	GUWAHATI	25-Sep-07
61	G. NEXT MEDIA PVT. LTD.	78, OKHALA INDUSTRIAL ESTATE PHASE-III, NEW DELHI-110020	NEW DELHI	5-Oct-07
62	INDIASIGN PVT. LTD.	1343, ROAD NO. 67, JUBILEE HILL, HYDERABAD	HYDERABAD	14-Mar-08
63	TATA COMMUNICATIONS LIMITED	THIRUVALLUR SATELLITE EARTH STATION, 226, RED HILLS ROAD, AMBATTUR, CHENNAI-600053	CHENNAI-2	6-May-08
64	POSITIVE TELEVISION PVT. LTD.	POSSITIVE TELEVISION PVT. LTD. DOCTOR'S LANE, GOL MARKET, NEW DELHI-110001	7C,NOIDA	23-May-08
65	EASTERN MEDIA LTD.	A/62,NAYAPALLI, BHUBANESWAR-751003, ORISSA	BHUBANESHWER	2-Jul-08
66	RAJASTHAN PATRIKA PRIVATE LIMITED	KESARGARH, JLN MARG, JAIPUR-302004	JAIPUR	5-Aug-08
67	PRIDE EAST ENTERTAINMENT PVT. LIMITED	NEWS LIVE, 558, G.S.ROAD, CHRISTIAN BARTI, DISPUR, GUWAHATI-78	GUWAHATI	13-Aug-08
68	INDIASIGN PVT. LTD.	1343, ROAD NO. 67, JUBILEE HILL, HYDERABAD	HYDERABAD (Location Shifted from Noida)	17-Sep-08
69	VINTAGE STUDIO PVT. LTD.	23/24, EAST PATEL NAGAR, NEW DELHI-110008	NEW DELHI	5-Jan-09
70	SKYLINE TELE MEDIA SERVICES PVT. LTD.	C-4,SHIVALIK, NEAR MALVIYA NAGAR MARKET, NEW DELHI-110017	NOIDA	27-May-09
71	INFORMATION TV PVT. LTD.	275, CAPTAIN GAUR MARG, SRINIVASPURI, NEW DELHI-110065	NEW DELHI	3-Jun-09

Annexure 5.5 (Contd.)

Sr.No	Name of Teleport	Address	Location	Date of Permission
72	UNILAZER EXPORTS AND MANAGEMENT CONSULTANTS LIMITED	PARIJAT HOUSE, 1076, DR. E.MOSES ROAD, WORLI, NAKA, MUMBAI-400018	MUMBAI	26-Jun-09
73	COMSAT SYSTEM PVT. LTD.	PLOT NO.22/A, IDA, MALLAPUR, HYDERABAD-50076	HYDERABAD	14-Oct-09
74	BHARTI TELEPORTS LIMITED	THE GRAND HOTEL, VASANT KUNJ, PHASE-II, NELSON MANDELA ROAD, NEW DELHI-110070	Noida	11-Nov-09
75	SRI VENKATESWARA CHANNEL PVT. LTD.	BHAKTITHIRUNILAYAM, HIMAYATH NAGAR, HYDERABAD	TIRUPATI	11-Nov-09
76	TATA COMMUNICATIONS LIMITED	THIRUVALLUVAR SATELLITE EARTH STATION, 226, RED HILLS ROAD, AMBATTUR, CHENNAI-600053	CHENNAI -3	13-Jan-10
77	ROYS INSTITUTE OF COMPETITIVE EXAMINATION PVT LTD	11/1 B.T ROAD BELGHORIA KOLKATA-700056 24 PARGANAS NORTH WEST BENGAL	KOLKATA	1-Apr-10
78	INDEPENDENT NEWS SERVICES PVT. LTD.	PLOT NO. 17B & 17C, SECTOR 16A, FILM CITY NOIDA(UP)	NOIDA -2	28-Apr-10
79	RAJ TELEVISION NETWORK LTD.	32, POES ROAD, 2ND STREET, TEYNAMPET, CHENNAI-600018	CHENNAI	5-May-10
80	ESSEL SHYAMCOMMUNICATION LTD.	C-138, NARAINA INDUSTRIAL AREA-I, NEW DELHI-28	NOIDA -3	12-May-10
81	KANSANNEWS PRIVATE LIMITED	HOUSE NO. 18, SECTOR-18, CHANDIGARH	CHANDIGARH	13-May-10
82	TATA COMMUNICATIONS LTD. VSNL	TATA COMMUNICATIONS LTD. VIDESH SANCHAR BHAWAN MAHATMA GANDHI ROAD, MUMBAI-400001	CHENNAI -4	4-Jun-10
83	DISH TV INDIA LTD.	PLOT NO.18, SECTOR-16A, NOIDA-201301	NOIDA	6-Apr-11
84	AASTHA BROADCASTING NETWORK LIMITED	AATHA BHAWAN, A-105, SECTOR-5, NOIDA-201301	NOIDA	2-May-11
85	MAHUA MEDIA PRIVATE LIMITED	FC 17A & 17B, SECTOR 16A, FILM CITY, NOIDA-201301	NOIDA	25-May-11
86	RTR Broadcast Pvt. Ltd.	D-38, RDC, Raj Nagar, Ghaziabad	Ghaziabad	7-Sep-11
87	Silver Star Communication Ltd.	NO. 24, VI MAIN ROAD, KASTURIBA NAGAR, ADYAR, CHENNAI-600020 INDIA	CHENNAI	2-Nov-11
88	Lamha Satellite Services Ltd	TOWER-I, 6TH FLOOR, INTERNATIONAL INFOTECH PARK, ABOVE VASI RAILWAY STATION, VASI, NAVI MUMBAI-400703.	MUMBAI	13-Feb-12
89	Skyline Tele Media Services Ltd.	FC-23, SECTOR-16A, FILM CITY, NOIDA-201305	NOIDA-2	02-Jul-12
90	Bharti Teleports Limited	Plot No 192, Block B, Phase II, NOIDA - 201 305	NOIDA-2	29-Oct-12

Source: Ministry of Information & Broadcasting

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