



Telecom Regulatory Authority of India

The Indian Telecom Services Performance Indicators April - June, 2014

New Delhi, India
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Snapshot

(Data As on 30th June, 2014)

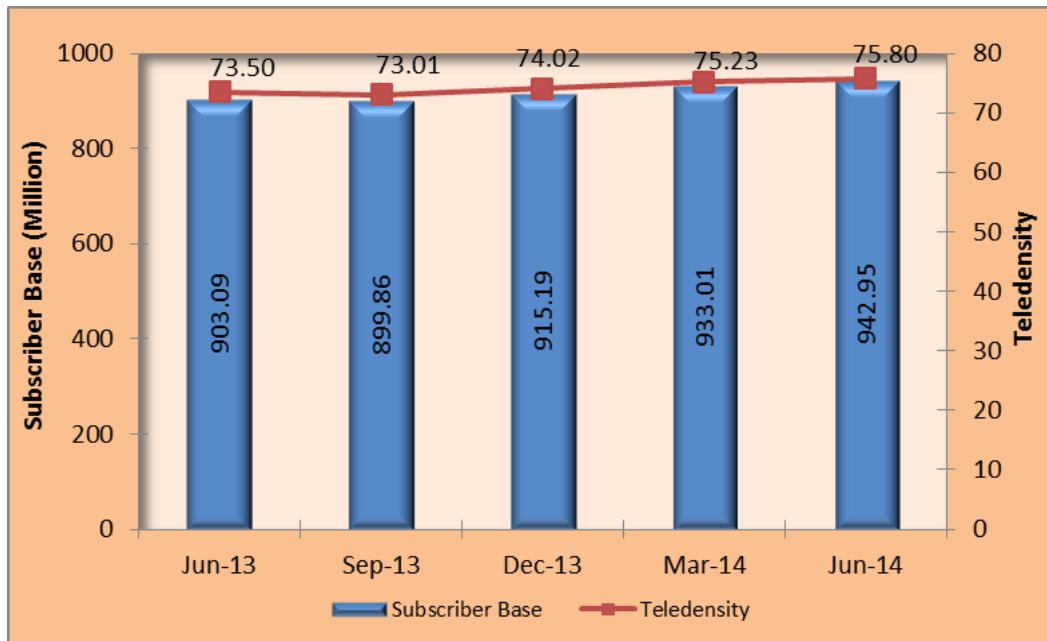
Telecom Subscribers (Wireless + Wireline)	
Total Subscribers	942.95 Million
% change over the previous quarter	1.07%
Urban Subscribers	559.77 Million
Rural Subscribers	383.18 Million
Market share of Private Operators	87.87%
Market share of PSU Operators	12.13%
Teledensity	75.80
Urban Teledensity	146.24
Rural Teledensity	44.50
Wireless Subscribers	
Total Wireless Subscribers	914.92 Million
% change over the previous quarter	1.15%
Urban Subscribers	537.56 Million
Rural Subscribers	377.36 Million
GSM Subscribers	859.36 Million
CDMA Subscribers	55.56 Million
Market share of Private Operators	89.85%
Market share of PSU Operators	10.15%
Teledensity	73.55
Urban Teledensity	140.44
Rural Teledensity	43.82
Wireline Subscribers	
Total Wireline Subscribers	28.03 Million
% change over the previous quarter	-1.66%
Urban Subscribers	22.21 Million
Rural Subscribers	5.81 Million
Market share of Private Operators	23.09%
Market share of PSU Operators	76.91%
Teledensity	2.25
Urban Teledensity	5.80
Rural Teledensity	0.68
No. of Village Public Telephones (VPT)	587,201
No. of Public Call Office (PCO)	912,628

Internet / Broadband Subscribers	
Total Internet Subscribers	259.14 Million
Narrowband subscribers	190.31 Million
Broadband subscribers	68.83 Million
Wired Internet Subscribers	18.55 Million
Wireless Internet Subscribers	240.60 Million
Total Internet Subscribers per 100 population	20.83
Broadcasting & Cable Services	
No. of private satellite TV channels registered with Ministry of I&B	797
Number of private FM Radio Stations	243
Registered DTH Subscribers	67.57 Million
Active DTH Subscribers	38.24 Million
Telecom Financial Data (QE Jun-14)	
Gross Revenue(GR) during the quarter	₹ 62919 Crore
% change in GR over the previous quarter	3.63%
Adjusted Gross Revenue (AGR) during the quarter	₹43852 Crore
% change in AGR over the previous quarter	6.91%
Share of Public sector undertaking's in Access AGR	11.14%
Monthly Average Revenue Per User (ARPU) for Access Services	₹122
Revenue & Usage Parameters (QE Jun-14)	
Monthly ARPU GSM Full Mobility Service	₹ 119
Monthly ARPU CDMA Full Mobility Service	₹ 112
Minutes of Usage (MOU) per subscriber per month GSM Full Mobility Service	390 Minutes
Minutes of Usage (MOU) per subscriber per month CDMA Full Mobility Service	283 Minutes
Total Outgoing Minutes of Usage for Internet Telephony	284 Million
Data Usage of Mobile Users (for the QE Jun-14)	
Data Usage per subscriber per month - GSM	62.16 MB
Data Usage per subscriber per month - CDMA	192.99 MB
Data Usage per subscriber per month – Total(GSM+CDMA)	70.10 MB

Executive Summary

1. The number of telephone subscribers in India increased from 933.01 million at the end of Mar-14 to 942.95 million at the end of Jun-14, registering a growth of 1.07% over the previous quarter. This reflects year-on-year (Y-O-Y) growth of 4.41% over the same quarter of last year. The overall Tele-density in India increased from 75.23 as on 31st March, 2014 to 75.80 as on 30th June, 2014.

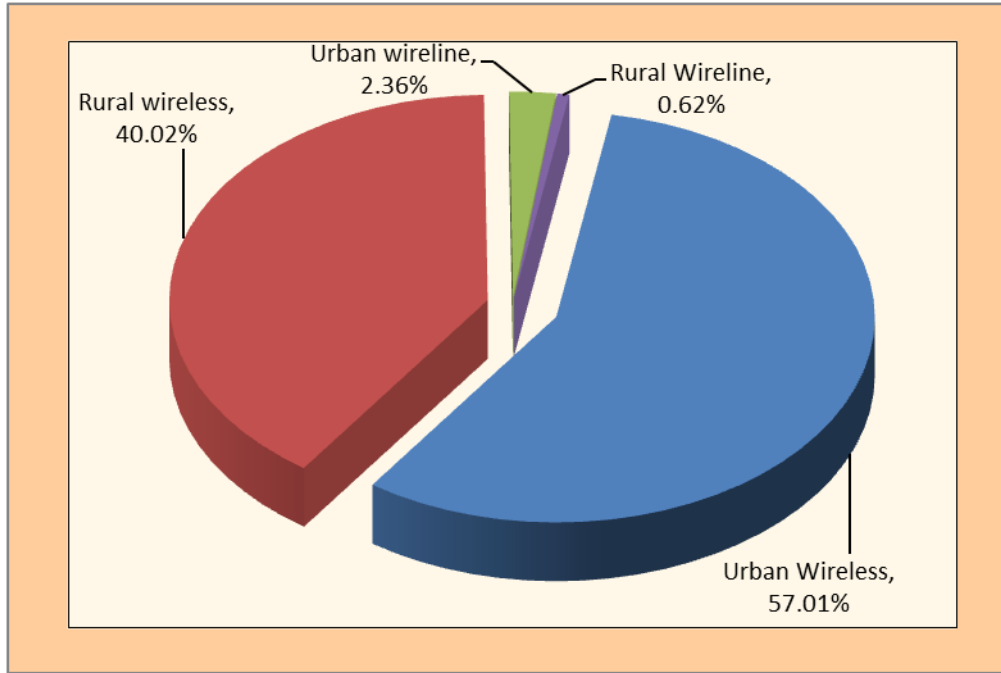
Trends in Telephone subscribers and Teledensity in India



2. Subscription in Urban Areas increased from 555.28 million at the end of Mar-14 to 559.77 million at the end of Jun-14, and Urban Tele-density also increased from 145.78 to 146.24. Rural subscription increased from 377.73 million to 383.18 million, and Rural Tele-density also increased from 43.96 to 44.50.

3. Share of subscription in Rural areas out of total subscription increased from 40.49% at the end of Mar-14 to 40.64% at the end of Jun-14.

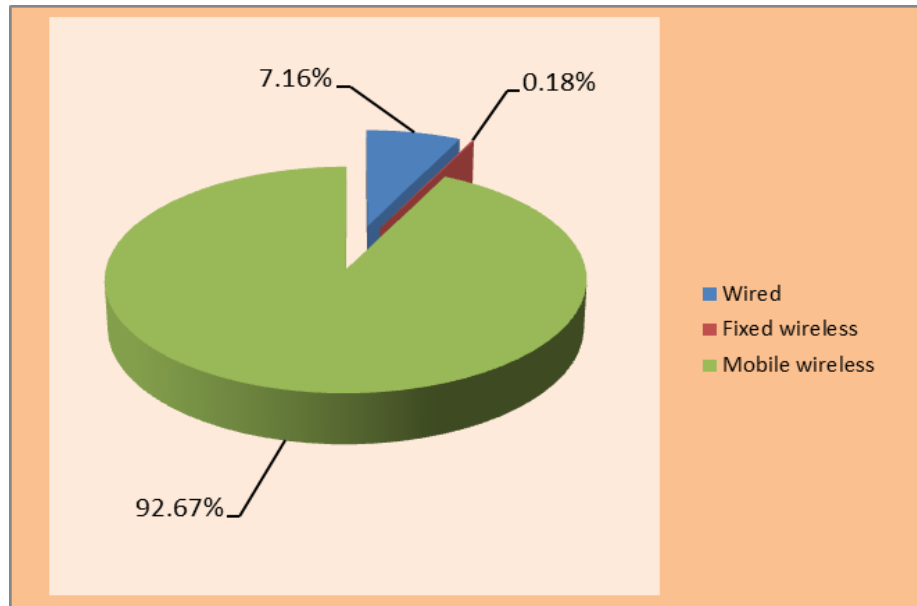
Composition of Telephone Subscribers



4. With a net addition of 10.41 million subscribers during the quarter, total wireless(GSM+CDMA) subscriber base increased from 904.51 million at the end of Mar-14 to 914.92 million at the end of Jun-14, registering a growth rate of 1.15% over the previous quarter. The year-on-year (Y-O-Y) growth rate of Wireless subscribers for Jun-14 is 4.76%.
5. Wireless Tele-density increased from 72.94 at the end of Mar-14 to 73.55 at the end of Jun-14.

6. Wireline subscriber base further declined from 28.50 million at the end of Mar-14 to 28.03 million at the end of Jun-14, registering a decline of 1.66%. The year-on-year (Y-O-Y) decline rate of Wireline subscribers for Jun-14 is 5.72%.
7. Wireline Tele-density declined from 2.30 at the end of Mar-14 to 2.25 at the end of Jun-14.
8. Total number of Internet subscribers has increased from 251.59 million at the end of Mar-14 to 259.14 million at the end of Jun-14, there has been a quarterly growth of 3.00%. Out of which Wired Internet subscribers are 18.55 million and Wireless Internet subscribers are 240.60 million.

Composition of internet subscription

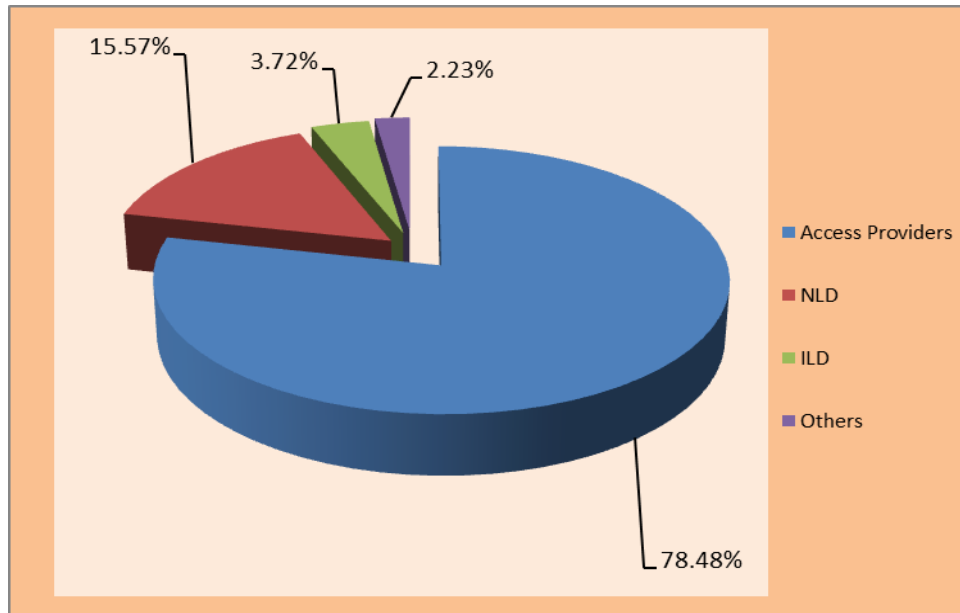


9. Number of Broadband Internet subscribers increased from 60.87 million at the end of Mar-14 to 68.83 million at the end of Jun-14 with quarter growth of 13.07%.

10. The number of Narrowband Internet subscribers has slightly declined from 190.72 million at the end of Mar-14 to 190.31 million at the end of Jun-14 with quarterly growth of -0.21%.
11. Monthly Average Revenue Per User (ARPU) for GSM service increased by 4.84%, from ₹113 in QE Mar-14 to ₹119 in QE Jun-14, whereas Y-O-Y increase of 6.72%.
12. Prepaid ARPU for GSM service per month increased from ₹99 in QE Mar-14 to ₹104 in QE Jun-14, and Postpaid ARPU per month increased from ₹453 in QE Mar-14 to ₹469 in QE Jun-14.
13. On an all India average, the overall MOU per subscriber per month for GSM service increased by 0.42% from 389 in QE Mar-14 to 390 in QE Jun-14.
14. Prepaid MOU per subscriber for GSM service increased from 365 in QE Mar-14 to 366 in QE Jun-14 and postpaid MOUs increased from 957 in QE Mar-14 to 961 in QE Jun-14.
15. Monthly ARPU for CDMA full mobility service increased by 6.22%, from ₹105 in QE Mar-14 to ₹112 in QE Jun-14. ARPU for CDMA has increased by 13.4% on Y-O-Y basis in this quarter.
16. The total MOU for CDMA per subscriber per month increased by 2.70%, from 275 in QE Mar-14 to 283 QE Jun-14. The outgoing MOUs increased from 142 in QE Mar-14 to 147 in QE Jun-14 and incoming MOUs also increased from 133 in QE Mar-14 to 136 in QE Jun-14.

17. Gross Revenue (GR) and Adjusted Gross Revenue (AGR) of Telecom Service Sector for the QE Jun-14 has been ₹62919 Crore and ₹43852 Crore respectively. There has been an increase of 3.63% in GR and 6.91% in AGR 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 9.88% and 13.49% respectively.
19. Pass-through charges accounted 30.30% of the GR for the quarter ending Jun-14. The quarterly and the year-on-year (Y-O-Y) growth rates of pass-through charges for QE Jun-14 are -3.21% and 2.40% respectively.
20. The License Fee increased from 3286 Crore for the QE Mar-14 to 3503 Crore for the QE Jun-14. The quarterly and the year-on-year (Y-O-Y) growth rates of license fee are 6.62% and 13.30% respectively in this quarter.
21. Access services contributed 78.48% of the total Adjusted Gross Revenue of telecom services. In Access services, Gross Revenue, Adjusted Gross Revenue (AGR), License Fee and Spectrum Usage Charges increased by 4.64%, 7.81%, 7.62% and 8.61% respectively, whereas Pass Through Charges decreased by 2.96% in QE Jun-14.
22. Monthly Average Revenue per User (ARPU) for Access Services based on AGR increased from ₹115.28 in QE Mar-14 to ₹122.39 in QE Jun-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"> • Connection with good voice quality • Accessibility of call centre/ customer care 	<ul style="list-style-type: none"> • BTSs Accumulated downtime (not available for service) • Call Set-up Success Rate (within licensee’s own network) • TCH Congestion • Call Drop Rate • Worst affected cells having more than 3% TCH drop (call drop) rate • Metering and billing credibility - post paid • 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. • Time taken for refund of deposits after closures.

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"> • Connection with good voice quality and Circuit Switch Voice Quality (CSV Quality) 	<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) • Call Set-up Success Rate (within licensee's own network) • SDCCH/ Paging Channel and RRC Congestion (%age) • TCH and Circuit Switched RAB Congestion (%age) • Worst affected cells having more than 3% TCH drop (call drop) and Circuit Switched Voice Drop Rate - CBBH. • Point of Interconnection(POI) Congestion

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"> • Metering & Billing Credibility – Postpaid (<= 0.1%) 	<ul style="list-style-type: none"> • Faults incidences (No. of faults/ 100 Subs/month) • % Fault repaired by next working day • % of faults repaired within 3 days (for urban area) • % of calls answered by the operator (voice to voice) within 60 sec. • Point of Interconnection(POI) Congestion (No. of POIs not meeting benchmark) • Accessibility of call centre/ customer care • %age requests for Termination/Closure of service complied within 7 days

26. There are a total of 186 Pay channels as reported by broadcasters for which the wholesale channels rates have been taken on record. During the quarter ending June 2014, the distribution of “Fox Sports News” channel was discontinued by the broadcaster.
27. In Non CAS areas, maximum number of TV channels being carried by any reporting MSO is 386, 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 June, 2014, as per the information received from MIB.
29. No new DTH license was issued during the quarter ending June 2014. 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 subscribers and active subscribers being served by these six private DTH operators, as reported to TRAI, are 67.57 million & 38.24, million respectively, as on 30th June 2014.

Trends at a Glance

A. Access Service (Wireline + Wireless)

	QE Jun 2013	QE Sep 2013	QE Dec 2013	QE Mar 2014	QE Jun 2014	%age change over Jun- 2013 (12 months)	%age change over Sep- 2013 (9 months)	%age change over Dec- 2013 (6 months)	%age change over Mar- 2014 (3 months)
	1) Subscriber Base (in million)								
Wireline	29.73	29.28	28.89	28.50	28.03	-5.72%	-4.29%	-3.01%	-1.66%
Wireless	873.36	870.58	886.30	904.51	914.92	4.76%	5.09%	3.23%	1.15%
Total	903.09	899.86	915.19	933.01	942.95	4.41%	4.79%	3.03%	1.07%
Rural	357.61	356.68	365.79	377.73	383.18	7.15%	7.43%	4.75%	1.44%
Urban	545.48	543.18	549.40	555.28	559.77	2.62%	3.05%	1.89%	0.81%
2) Teledensity									
Wireline	2.42	2.38	2.34	2.30	2.25	-6.88%	-5.17%	-3.60%	-1.91%
Wireless	71.08	70.63	71.69	72.94	73.55	3.47%	4.13%	2.60%	0.84%
Total	73.50	73.01	74.02	75.23	75.80	3.13%	3.83%	2.40%	0.76%
Rural	41.90	41.70	42.67	43.96	44.50	6.18%	6.70%	4.28%	1.22%
Urban	145.35	144.02	144.95	145.78	146.24	0.62%	1.54%	0.89%	0.32%
3) Service Provider wise Subscribers Base (in Million)									
Bharti	194.19	196.73	201.76	208.75	212.60	9.48%	8.07%	5.37%	1.85%
Vodafone	155.08	155.59	160.46	166.62	169.96	9.60%	9.24%	5.92%	2.01%
Idea	124.97	127.23	128.69	135.79	139.01	11.24%	9.26%	8.02%	2.37%
Reliance	126.98	117.50	118.48	112.13	110.06	-13.32%	-6.33%	-7.11%	-1.85%
BSNL	117.88	117.23	115.23	113.14	107.50	-8.81%	-8.30%	-6.71%	-4.98%
Aircel	60.97	63.25	66.91	70.15	73.07	19.85%	15.54%	9.21%	4.16%
Tata	66.10	65.04	64.78	64.55	64.44	-2.51%	-0.92%	-0.52%	-0.17%
Telewings	32.30	32.36	32.78	35.61	39.31	21.73%	21.50%	19.93%	10.41%
Sistema	9.82	9.61	9.86	9.09	9.21	-6.25%	-4.18%	-6.63%	1.29%
MTNL	8.06	7.28	7.13	6.91	6.90	-14.46%	-5.34%	-3.31%	-0.28%
Videocon	2.42	3.24	3.97	4.99	5.55	129.54%	71.06%	39.82%	11.29%
Loop	2.72	2.89	2.98	2.90	2.84	4.48%	-1.68%	-4.74%	-2.01%
Quadrant	1.61	1.93	2.16	2.39	2.50	54.73%	29.51%	15.39%	4.45%
Total	903.09	899.86	915.19	933.01	942.95	4.41%	4.79%	3.03%	1.07%

B. Internet Services

	QE Jun 2013	QE Sep 2013	QE Dec 2013	QE Mar 2014	QE Jun 2014	%age change over Jun- 2013	%age change over Sep- 2013	%age change over Dec- 2013	%age change over Mar- 2014
						(12 months)	(9 months)	(6 months)	(3 months)
1) Subscriber's Base (in million)									
A. Wired Internet Subscribers			18.33	18.50	18.55			1.17%	0.27%
B. Wireless Internet Subscribers			220.38	233.09	240.60			9.17%	3.22%
i. Mobile Wireless (Mobile & Dongle)			219.92	232.66	240.14			9.19%	3.22%
ii. Fixed Wireless (Wi-Fi, Wi-Max, Point-to-Point Radio & VSAT)			0.46	0.44	0.46			0.33%	5.26%
Total Internet Subscribers	198.39	210.38	238.71	251.59	259.14	30.62%	23.18%	8.56%	3.00%
No. of Internet Subs per 100 Population	16.15	17.07	19.31	20.29	20.83	29.02%	22.05%	7.90%	2.69%

C. Usage and Revenue for Full Mobility Services

1. Traffic (MOU) (minutes of use/subscriber/month)									
i) GSM	388	375	379	389	390	0.64%	4.01%	2.88%	0.42%
ii) CDMA	278	262	272	272	283	1.64%	7.83%	4.16%	4.16%
2) ARPU (Rs./sub/ month)									
i) GSM	111.45	109.08	111.94	113.44	118.94	6.72%	9.03%	6.25%	4.84%
ii) CDMA	98.35	98.22	103.60	104.98	111.51	13.38%	13.53%	7.63%	6.22%

D. Telecom Financial Data

	QE Jun 2013	QE Sep 2013	QE Dec 2013	QE Mar 2014	QE Jun 2014	%age change over Jun- 2013	%age change over Sep- 2013	%age change over Dec- 2013	%age change over Mar- 2014
						(12 months)	(9 months)	(6 months)	(3 months)
Telecom Sector									
i) Gross Revenue (Rs. in Crores)	57260.98	57452.56	58385.39	60716.21	62919.19	9.88%	9.52%	7.77%	3.63%
ii) Adjusted Gross Revenue (Rs. in Crores)	38640.30	38810.56	39574.99	41016.13	43851.85	13.49%	12.99%	10.81%	6.91%
Access Services									
Adjusted Gross Revenue (Rs. in Crores)	30492.88	30353.17	31406.54	31922.39	34416.53	12.87%	13.39%	9.58%	7.81%
ARPU per month (AGR/ Average subscribers/3)	113.04	111.85	115.70	115.28	122.39	8.27%	9.42%	5.78%	6.17%

Introduction

This Report presents the Key Parameters and growth trends for the Telecom Services in India for the quarter ending June, 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@tra.gov.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 933.01 million at the end of Mar-14 to 942.95 million at the end of Jun-14, registering a growth of 1.07% over the previous quarter. This reflects year-on-year (Y-O-Y) growth of 4.41% over the same quarter of last year. The overall Tele-density in India increased to 75.80 at the end of Jun-14 from 75.23 at the end of the previous quarter.

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

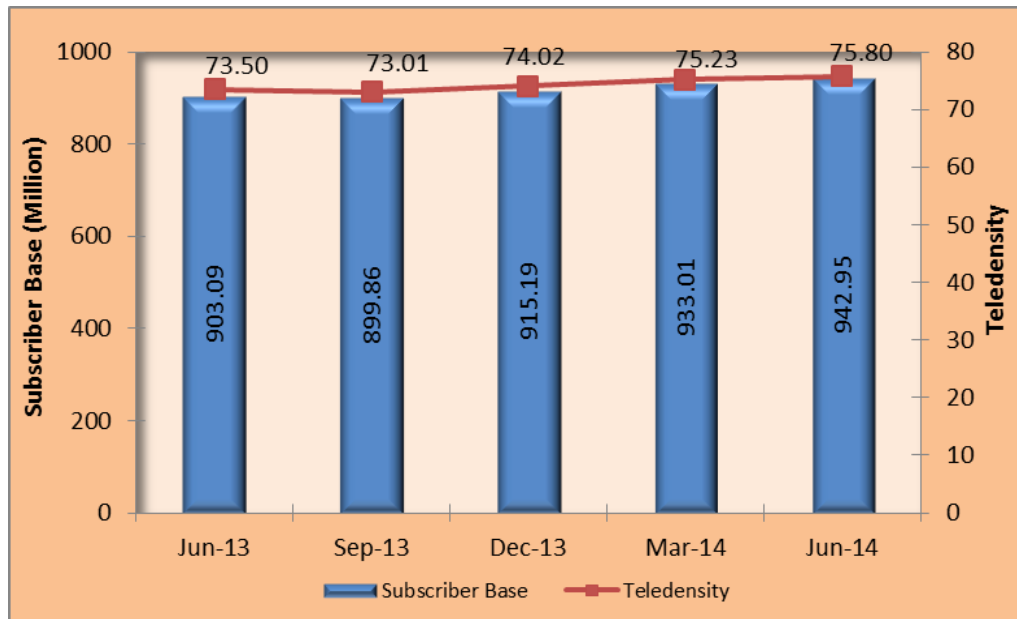
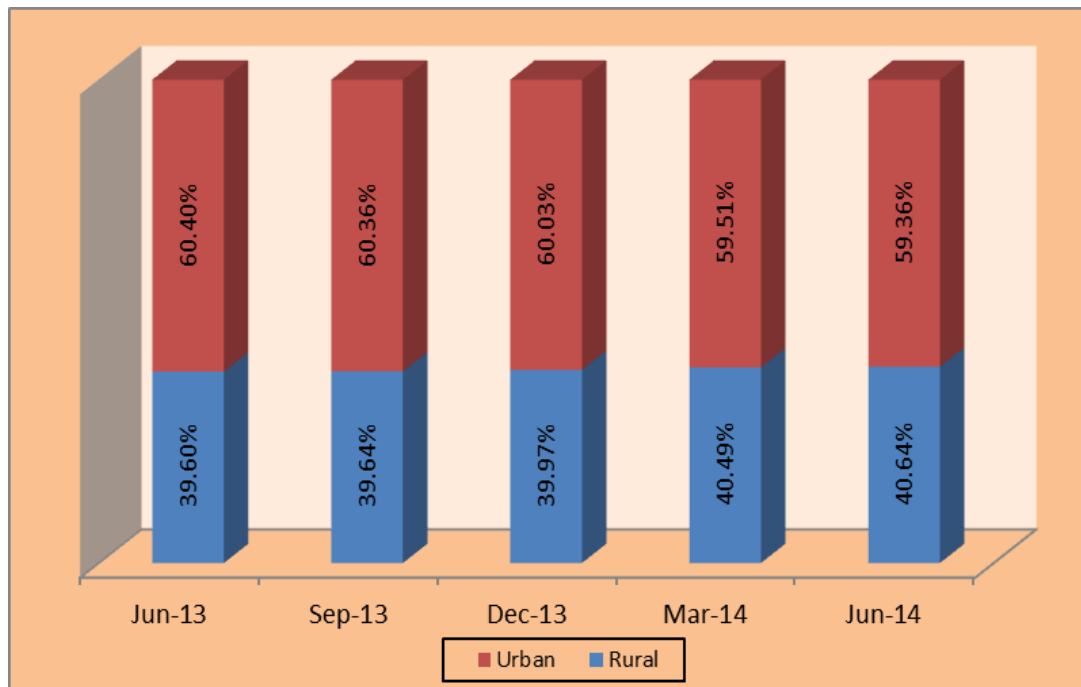


Table 1.1: Subscriber Base & Tele-density - Rural & Urban

Quarter ending	Subscriber Base (million)		Tele-density	
	Rural	Urban	Rural	Urban
Jun-13	357.61	545.48	41.90	145.35
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

- 1.2 Subscription in Urban Areas increased from 555.28 million at the end of Mar-14 to 559.77 million at the end of Jun-14 and the Urban Tele-density also increased from 145.78 to 146.24 during the quarter.
- 1.3 Rural subscription increased from 377.73 million to 383.18 million and the Rural Tele-density also increased from 43.96 to 44.50 during the quarter.
- 1.4 The year-on-year (Y-O-Y) growth rate of Rural and Urban Tele-density from Jun-13 to Jun-14 is 6.18% and 0.62% respectively.

Chart 1.2: Market Share - Rural & Urban



- 1.5 Share of rural areas in total subscription has increased from 40.49% at the end of Mar-14 to 40.64% at the end of Jun-14. The year-on-year (Y-O-Y) growth of the market share in the rural areas for Jun-14 is 2.62%.

Chart 1.3: Composition of Access subscription - Wireline & Wireless

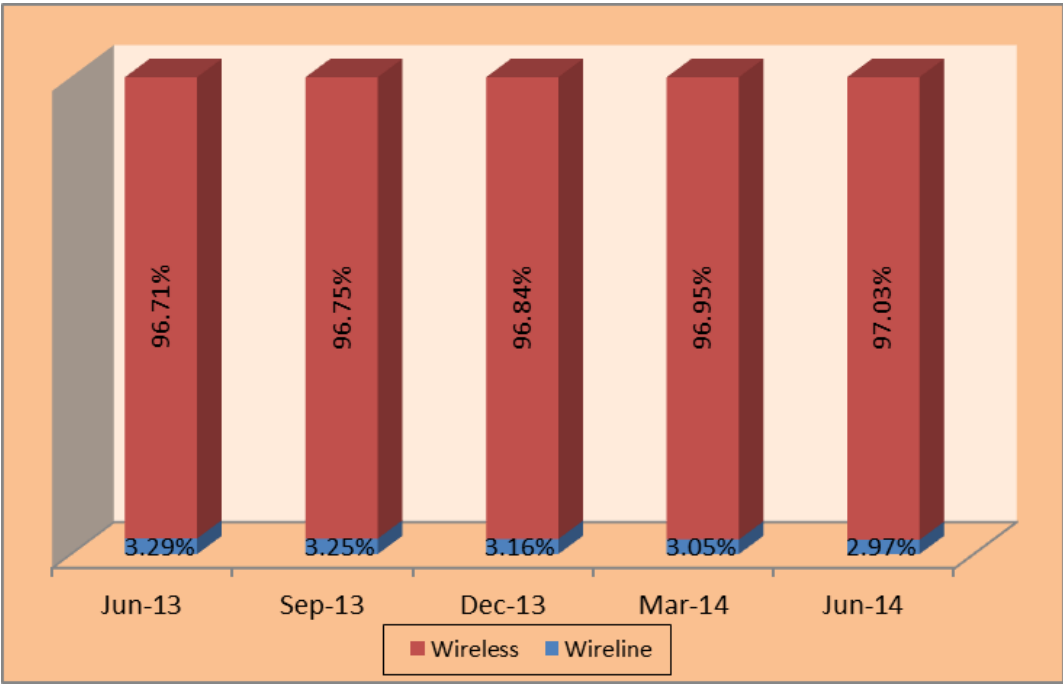


Chart 1.4: Composition of Telephone Subscribers at the end of the quarter

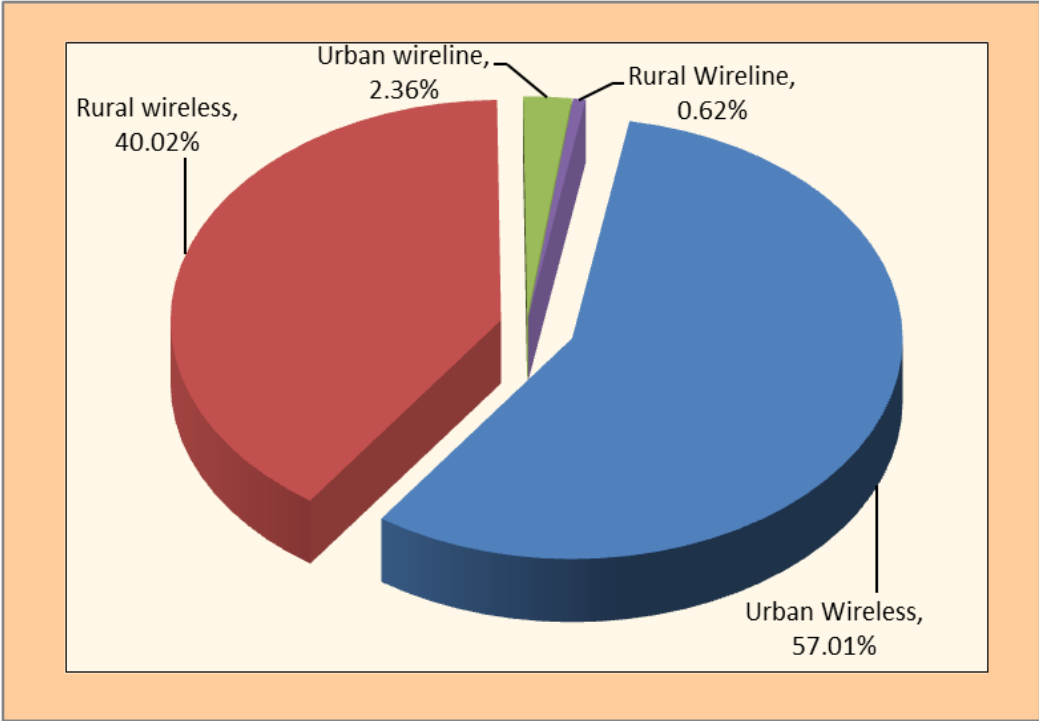


Table 1.2: Service Area wise Access (Wireless+Wireline) Subscriber base

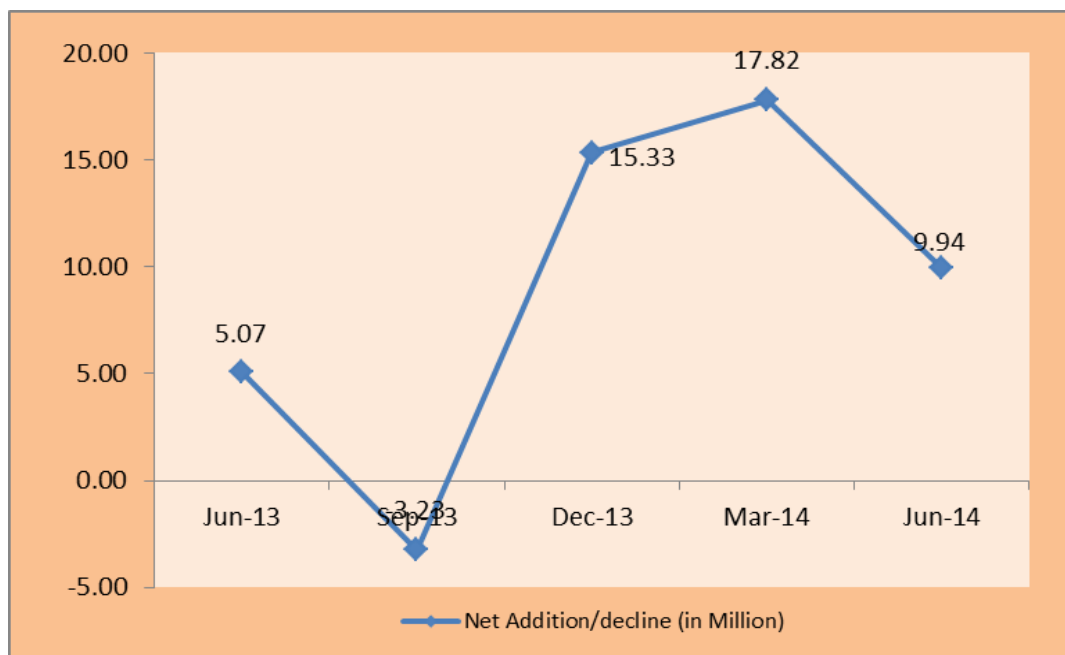
Service Area	Subscribers (million)			
	Mar-14	Jun-14	Net Additions	Rate of Growth(%)
Andhra Pradesh	69.19	69.29	0.09	0.13
Assam	15.46	15.75	0.29	1.85
Bihar	61.97	63.55	1.58	2.55
Delhi	45.69	46.32	0.63	1.37
Gujarat	56.23	56.77	0.54	0.96
Haryana	21.75	21.35	-0.40	-1.82
Himachal Pradesh	7.37	7.52	0.15	1.99
Jammu & Kashmir	8.13	8.44	0.31	3.85
Karnataka	56.64	56.76	0.13	0.22
Kerala	34.01	33.51	-0.49	-1.45
Madhya Pradesh	56.58	56.76	0.18	0.31
Maharashtra	74.90	75.03	0.12	0.16
Mumbai	33.95	34.11	0.17	0.49
North East	9.55	9.68	0.13	1.36
Orissa	25.47	25.98	0.51	2.01
Punjab	32.43	31.31	-1.12	-3.45
Rajasthan	53.57	54.55	0.98	1.84
T.N. (incl. Chennai)	78.09	79.34	1.25	1.60
U.P.(E)	77.78	80.18	2.40	3.08
U.P.(W)	49.30	49.72	0.42	0.85
Kolkata	22.15	22.53	0.38	1.73
West Bengal	42.80	44.49	1.70	3.96
All India	933.01	942.95	9.94	1.07

1.6 During the quarter, West Bengal Circle has recorded the highest growth rate of 3.96%, followed by J&K (3.85%). Punjab, Haryana and Kerala Circles show the declining trend during the quarter ending Jun-14.

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

Service Area	Subscribers (million)			
	Total	Rural	Urban	% of Rural Subs
Andhra Pradesh	69.29	29.06	40.23	41.94
Assam	15.75	9.47	6.28	60.10
Bihar	63.55	34.98	28.57	55.05
Delhi	46.32	2.33	43.99	5.03
Gujarat	56.77	20.85	35.91	36.74
Haryana	21.35	10.16	11.19	47.59
Himachal Pradesh	7.52	4.88	2.64	64.83
Jammu & Kashmir	8.44	3.98	4.45	47.21
Karnataka	56.76	17.28	39.48	30.45
Kerala	33.51	16.84	16.67	50.24
Madhya Pradesh	56.76	24.75	32.01	43.60
Maharashtra	75.03	35.19	39.83	46.91
Mumbai	34.11	0.37	33.75	1.08
North East	9.68	4.47	5.21	46.21
Orissa	25.98	14.16	11.83	54.49
Punjab	31.31	11.82	19.49	37.74
Rajasthan	54.55	26.87	27.68	49.26
T.N. (incl. Chennai)	79.34	22.12	57.22	27.88
U.P.(E)	80.18	39.85	40.33	49.70
U.P.(W)	49.72	23.05	26.67	46.36
Kolkata	22.53	1.66	20.87	7.36
West Bengal	44.49	29.03	15.46	65.25
All India	942.95	383.18	559.78	40.64

Chart 1.5: Net Addition/decline in Telephone Subscription



1.7 The net addition in telephone subscribers is 9.94 million in QE Jun-14 as against the net addition of 17.82 million in QE Mar-14.

Table 1.4 : Service Area wise Teledensity

Service Area	As on 31 st March, 2014			As on 30 th June, 2014		
	Rural Teledensity	Urban Teledensity	Total Teledensity	Rural Teledensity	Urban Teledensity	Total Teledensity
Andhra Pradesh	45.53	167.61	79.52	46.19	165.64	79.47
Assam	34.36	126.27	48.74	35.29	125.79	49.50
Bihar	29.41	150.96	46.10	30.07	154.21	47.13
Delhi	-	-	226.85	-	-	228.30
Gujarat	57.44	137.63	90.54	57.09	139.40	91.13
Haryana	59.77	121.39	81.44	58.57	118.31	79.65
Himachal Pradesh	77.08	325.88	105.59	78.71	328.83	107.46
J&K	42.61	130.69	66.80	45.06	132.73	69.18
Karnataka	46.24	167.20	92.45	45.61	167.91	92.44

Service Area	As on 31 st March, 2014			As on 30 th June, 2014		
	Rural Teledensity	Urban Teledensity	Total Teledensity	Rural Teledensity	Urban Teledensity	Total Teledensity
Kerala	64.34	189.65	96.19	63.75	185.38	94.65
Madhya Pradesh	33.67	116.34	56.04	33.51	116.53	56.02
Maharashtra*	56.37	129.66	91.30	56.91	128.83	91.25
Mumbai*						
North East	42.68	153.02	69.97	43.44	153.50	70.72
Orissa	39.87	161.14	60.90	40.90	162.22	62.00
Punjab	71.67	154.73	107.22	68.28	149.67	103.23
Rajasthan	48.58	160.01	75.39	49.64	161.23	76.51
T.N. (incl Chennai)	74.02	138.16	111.14	75.06	139.89	112.74
U.P.(E)*	35.55	131.53	57.27	36.51	132.66	58.31
U.P.(W)*						
Kolkata*	44.37	132.96	69.72	46.06	135.94	71.79
W.B.*						
All India	43.96	145.78	75.23	44.50	146.24	75.80

* 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 78.01, followed by Tamil Nadu (75.06). Bihar continues to have the lowest Rural Tele-density of 30.07, followed by Madhya Pradesh (33.51).

Table 1.5 : Growth/Decline in Subscribers

Service Provider	Subscriber base (millions)			Rate of Growth (%)	Market Share Mar-14 (%)	Market Share □ Jun-14 (%)
	Mar-14	Jun-14	Net Additions			
Bharti	208.75	212.60	3.85	1.85	22.37	22.55
Vodafone	166.62	169.96	3.34	2.01	17.86	18.02
IDEA	135.79	139.01	3.22	2.37	14.55	14.74
Reliance Comm. Group	112.13	110.06	-2.07	-1.85	12.02	11.67
BSNL	113.14	107.50	-5.64	-4.98	12.13	11.40
Aircel	70.15	73.07	2.92	4.16	7.52	7.75
Tata	64.55	64.44	-0.11	-0.17	6.92	6.83
Telewings	35.61	39.31	3.71	10.41	3.82	4.17
Sistema	9.09	9.21	0.12	1.29	0.97	0.98
MTNL	6.91	6.90	-0.02	-0.28	0.74	0.73
Videocon	4.99	5.55	0.56	11.29	0.53	0.59
Loop Mobile	2.90	2.84	-0.06	-2.01	0.31	0.30
Quadrant	2.39	2.50	0.11	4.45	0.26	0.26
Total	933.01	942.95	9.94	1.07	100	100

1.9 Bharti is the leading operator in access segment in terms of number of subscribers. During the quarter, Bharti recorded the highest net addition of 3.85 million subscribers, followed by Telewings (3.71 million) and Vodafone (3.34 million). BSNL recorded the highest net decline of 5.64 million subscribers during this quarter.

Table 1.6 : Market Share of the operators in total rural subscriber base – Q.E. Jun-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	212.60	96.63	45.45	25.22
Vodafone	169.96	90.92	53.49	23.73
IDEA	139.01	76.85	55.28	20.06
BSNL	107.50	35.76	33.26	9.33
Reliance Comm. Group	110.06	27.02	24.55	7.05
Aircel	73.07	25.96	35.52	6.77
Tata	64.44	15.46	24.00	4.04
Telewings	39.31	12.38	31.49	3.23
Sistema	9.21	2.14	23.27	0.56
Quadrant	2.50	0.06	2.27	0.01
Loop Mobile	2.84	0.00	0.00	0.00
Videocon	5.55	0.00	0.00	0.00
MTNL	6.90	0.00	0.00	0.00
Total	942.95	383.18	40.64	100

1.10 IDEA continues to be the service provider with highest proportion of rural subscribers (55.28%), followed by Vodafone (53.49%) 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 June, 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 June, 2014 is at Annexure -1.1

1.12 Total Wireless (GSM+CDMA) subscriber base increased from 904.51 million at the end of Mar-14 to 914.92 million at the end of Jun-14, thereby showing a growth rate of 1.15%. During this quarter, net addition of 10.41 million subscribers was recorded. The year-on-year (Y-O-Y), wireless subscribers shows growth rate of 4.76% for Jun-14.

1.13 Wireless Teledensity increased from 72.94 at the end of Mar-14 to 73.55 at the end of Jun-14.

Chart 1.6: Wireless Subscriber Base and Teledensity

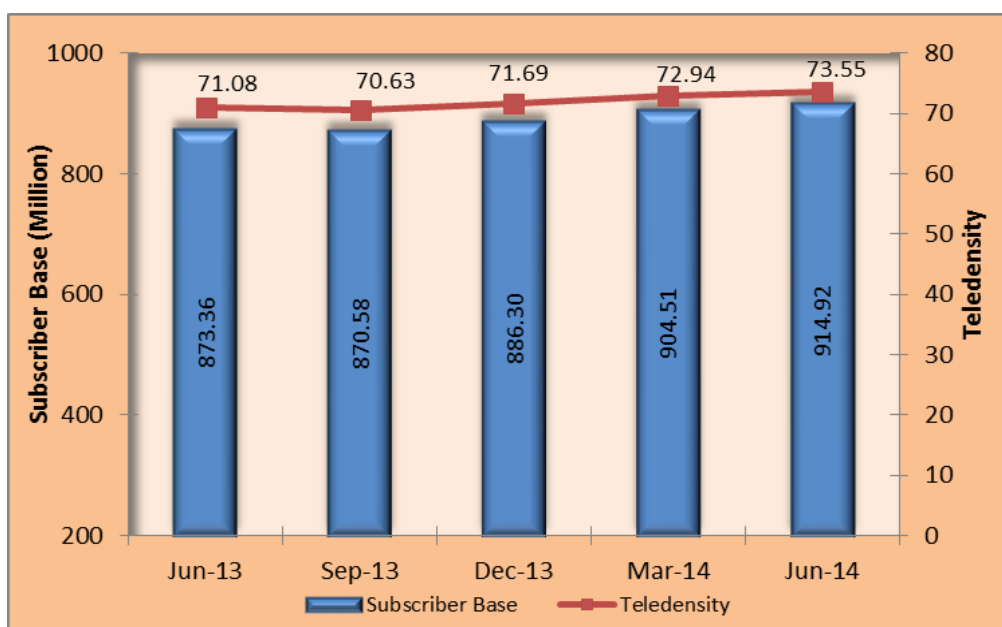


Table 1.8: Wireless Subscriber Base & Tele-density - Rural & Urban

Quarter ending	Subscriber Base (million)		Tele-density	
	Rural	Urban	Rural	Urban
Jun-13	351.10	522.27	41.14	139.16
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

1.14 The Rural Wireless subscribers increased from 371.78 million at the end of Mar-14 to 377.36 million at the end of Jun-14.

1.15 Rural subscription increased at the rate of 1.50% in QE Jun-14 as against the growth rate of 3.37% in QE Mar-14. Urban subscription increased at the rate of 0.91% as against the growth rate of 1.61% in the previous quarter.

1.16 The share of rural wireless subscription increased from 41.10% to 41.24% in total wireless subscription in this quarter.

Chart 1.7: Wireless Market Share - Rural & Urban

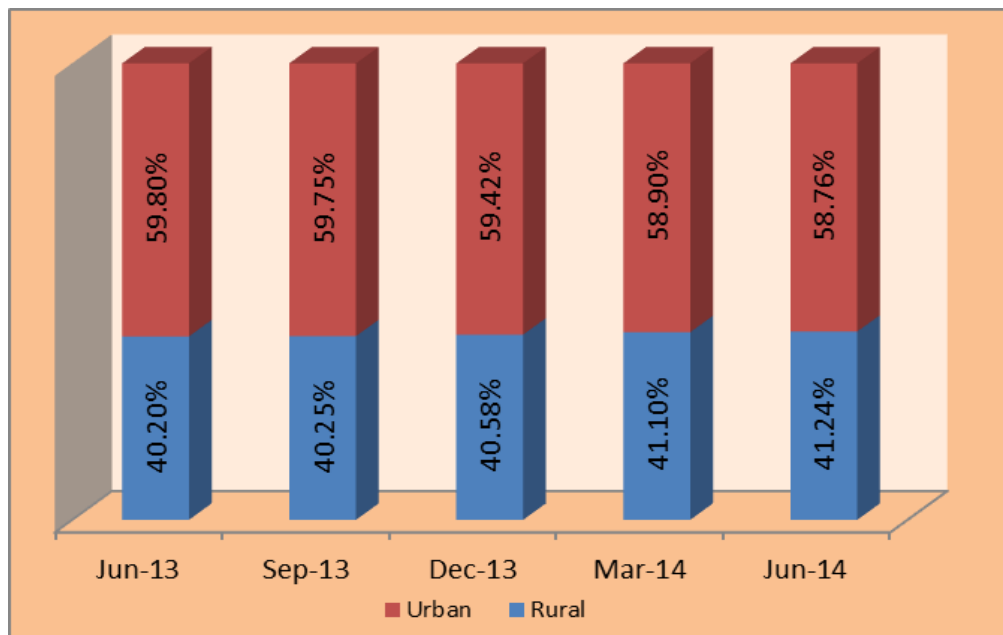


Table 1.9: Growth in Wireless Subscriber base

Service Provider	Subscriber Base (millions)			Rate of Growth (%)	Market Share □ Mar-14 (%)	Market Share □ Jun-14 (%)
	Mar-14	Jun-14	Net Additions			
Bharti	205.39	209.25	3.86	1.88	22.71	22.87
Vodafone	166.56	169.90	3.34	2.00	18.41	18.57
IDEA	135.79	139.01	3.22	2.37	15.01	15.19
Reliance Comm. Group	110.89	108.85	-2.04	-1.84	12.26	11.90
BSNL	94.65	89.47	-5.18	-5.47	10.46	9.78
Aircel	70.15	73.07	2.92	4.16	7.76	7.99
Tata	63.00	62.87	-0.13	-0.21	6.97	6.87
Telewings	35.61	39.31	3.71	10.41	3.94	4.30
Sistema	9.04	9.15	0.12	1.29	1.00	1.00
Videocon	4.99	5.55	0.56	11.29	0.55	0.61
MTNL	3.37	3.37	-0.01	-0.18	0.37	0.37
Loop	2.90	2.84	-0.06	-2.01	0.32	0.31
Quadrant	2.18	2.28	0.10	4.71	0.24	0.25
Total	904.51	914.92	10.41	1.15	-	-

1.17 Bharti remains the leading operator with 209.25 million subscribers at the end of Jun-14, followed by Vodafone (169.90 million) and Idea (139.01 million).

1.18 In terms of net additions during the quarter, Bharti (3.86 million) has added the highest number of subscribers, followed by Telewings (3.71 million). BSNL has shown the maximum net decline of 5.18 million wireless subscribers during this quarter.

Table 1.10: Service Area wise Wireless Subscriber base

Service Area	Subscriber base (in million)			
	Mar-14	Jun-14	Net Additions	Rate of change (%)
Andhra Pradesh	67.15	67.29	0.13	0.20
Assam	15.28	15.57	0.29	1.88
Bihar	61.59	63.17	1.58	2.57
Delhi	42.58	43.21	0.62	1.46
Gujarat	54.54	55.12	0.58	1.07
Haryana	21.25	20.86	-0.39	-1.82
Himachal Pradesh	7.12	7.27	0.15	2.16
Jammu & Kashmir	7.94	8.26	0.32	3.99
Karnataka	54.32	54.49	0.17	0.31
Kerala	31.12	30.67	-0.45	-1.44
Madhya Pradesh	55.48	55.66	0.18	0.33
Maharashtra	72.59	72.76	0.16	0.22
Mumbai	30.88	31.07	0.19	0.60
North East	9.41	9.55	0.14	1.46
Orissa	25.13	25.64	0.52	2.06
Punjab	31.21	30.12	-1.09	-3.48
Rajasthan	52.65	53.65	1.01	1.91
T.N. (incl. Chennai)	75.17	76.47	1.29	1.72
U.P.(E)	76.98	79.43	2.45	3.18
U.P.(W)	48.76	49.19	0.44	0.90
Kolkata	21.07	21.47	0.40	1.90
West Bengal	42.29	44.00	1.71	4.05
All India	904.51	914.92	10.41	1.15

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

Service Area	Subscriber base (in million) – Jun-14			
	Total	Rural	Urban	% of Rural Subscribers
Andhra Pradesh	67.29	28.54	38.75	42.41
Assam	15.57	9.43	6.13	60.59
Bihar	63.17	34.87	28.30	55.21
Delhi	43.21	2.33	40.88	5.39
Gujarat	55.12	20.51	34.61	37.21
Haryana	20.86	10.02	10.84	48.04
Himachal Pradesh	7.27	4.70	2.58	64.55
Jammu & Kashmir	8.26	3.95	4.30	47.87
Karnataka	54.49	16.98	37.51	31.15
Kerala	30.67	14.97	15.70	48.80
Madhya Pradesh	55.66	24.59	31.07	44.18
Maharashtra	72.76	34.66	38.10	47.64
Mumbai	31.07	0.37	30.70	1.19
North East	9.55	4.44	5.11	46.51
Orissa	25.64	14.07	11.58	54.86
Punjab	30.12	11.49	18.63	38.15
Rajasthan	53.65	26.67	26.98	49.70
T.N. (incl. Chennai)	76.47	21.63	54.84	28.28
U.P.(E)	79.43	39.70	39.73	49.98
U.P.(W)	49.19	22.98	26.21	46.72
Kolkata	21.47	1.66	19.81	7.73
West Bengal	44.00	28.80	15.20	65.46
All India	914.92	377.36	537.56	41.24

Table 1.12 : Service Area wise Wireless Tele-density

Service Area	As on 31 st March, 2014			As on 30 th June, 2014		
	Rural Teledensity	Urban Teledensity	Total Teledensity	Rural Teledensity	Urban Teledensity	Total Teledensity
Andhra Pradesh	44.68	161.37	77.17	45.37	159.53	77.17
Assam	34.23	123.26	48.16	35.16	122.82	48.92
Bihar	29.31	149.49	45.81	29.98	152.74	46.85
Delhi	-	-	211.44	-	-	212.98
Gujarat	56.55	132.30	87.82	56.15	134.33	88.49
Haryana	58.95	117.58	79.57	57.78	114.59	77.83
Himachal Pradesh	74.07	317.41	101.96	75.81	320.54	103.94
Jammu & Kashmir	42.24	126.08	65.26	44.70	128.23	67.68
Karnataka	45.38	158.69	88.67	44.79	159.55	88.73
Kerala	57.13	178.68	88.02	56.67	174.58	86.62
Madhya Pradesh	33.45	112.88	54.95	33.30	113.10	54.93
Maharashtra*	55.49	121.17	86.79	56.06	120.45	86.81
Mumbai*						
North East	42.35	149.89	68.94	43.13	150.53	69.75
Orissa	39.60	157.63	60.07	40.64	158.79	61.19
Punjab	69.71	147.91	103.18	66.40	143.02	99.30
Rajasthan	48.18	155.84	74.09	49.26	157.16	75.24
T.N. (incl. Chennai)	72.31	132.24	106.99	73.38	134.08	108.66
U.P.(E)*	35.41	129.32	56.67	36.39	130.57	57.74
U.P.(W)*						
Kolkata*	44.01	127.91	68.02	45.72	131.00	70.13
West Bengal*						
All India	43.27	139.86	72.94	43.82	140.44	73.55

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

Notes:

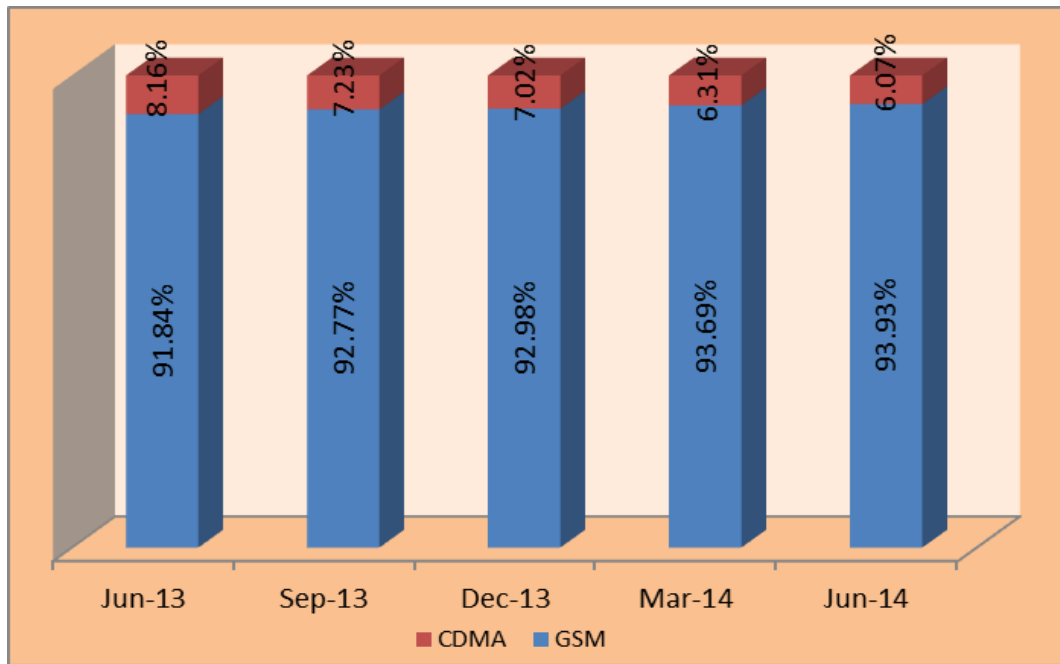
1. Teledensity figures are derived from the subscriber data provided by the operators and the population projections, for Urban and Rural areas, of the country, published by the Office of the Registrar General & Census Commissioner, India.
2. Delhi service area, apart from the State of Delhi, includes 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 Mar-14 (in millions)	Rural Subscribers (in millions)		% of Rural subscribers in total		Market Share of Rural Subscribers (%)	
		Mar-14	Jun-14	Mar-14	Jun-14	Mar-14	Jun-14
Bharti	209.25	93.76	96.63	45.65	46.18	25.22	25.61
Vodafone	169.90	89.39	90.92	53.67	53.51	24.04	24.09
IDEA	139.01	74.72	76.85	55.02	55.28	20.10	20.37
BSNL	89.47	32.53	30.01	34.36	33.54	8.75	7.95
Reliance Comm. Group	108.85	27.32	27.02	24.63	24.82	7.35	7.16
Aircel	73.07	25.51	25.96	36.37	35.52	6.86	6.88
Tata	62.87	15.19	15.41	24.12	24.52	4.09	4.08
Telewings	39.31	11.20	12.38	31.46	31.49	3.01	3.28
Sistema	9.15	2.11	2.13	23.30	23.31	0.57	0.57
Quadrant	2.28	0.06	0.06	2.58	2.48	0.02	0.02
Videocon	5.55	0.00	0.00	0.00	0.00	0.00	0.00
MTNL	3.37	0.00	0.00	0.00	0.00	0.00	0.00
Loop	2.84	0.00	0.00	0.00	0.00	0.00	0.00
Total	914.92	371.78	377.36	41.10	41.24	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 Jun-14, GSM subscribers constituted 93.93% share of the wireless market.

GSM Services

1.21 The GSM subscribers were 859.36 million at the end of Jun-14 as against 847.41 million at the quarter ending Mar-14, showing a quarterly growth of 1.41%. Bharti with 209.25 million subscribers continues to be the largest GSM mobile operator, followed by Vodafone (169.90 million).

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

Service Provider	Mar-14		Jun-14		Net Additions (in million)
	No of Subscribers (in millions)	Market Share (%)	No of Subscribers (in millions)	Market Share (%)	
Bharti	205.39	24.24	209.25	24.35	3.86
Vodafone	166.56	19.66	169.90	19.77	3.34
Idea	135.79	16.02	139.01	16.18	3.22
BSNL	92.40	10.90	87.30	10.16	-5.10
Reliance Comm. Group	81.94	9.67	80.84	9.41	-1.10
Aircel	70.15	8.28	73.07	8.50	2.92
Tata	46.26	5.46	46.73	5.44	0.47
Telewings	35.61	4.20	39.31	4.57	3.71
Videocon	4.99	0.59	5.55	0.65	0.56
MTNL	3.25	0.38	3.28	0.38	0.03
Loop	2.90	0.34	2.84	0.33	-0.06
Quadrant	2.18	0.26	2.28	0.27	0.10
Total	847.41	100	859.36	100	11.96

1.22 There has been a net increase of 11.96 million GSM subscribers during the quarter ending Mar-14.

CDMA Services

1.23 The CDMA subscriber base further declined from 57.10 million at the end of Mar-14 to 55.56 million at the end of Jun-14, thereby showing a negative growth rate of 2.70%. Reliance Communications Group with 28.01 million subscribers continues to be the largest CDMA mobile operator.

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

Service Provider	Mar-14		Jun-14		Net Addition/ Decline (in million)
	No of Subscribers (in million)	Market Share (%)	No of Subscribers (in million)	Market Share (%)	
Reliance Comm. Group	28.95	50.70	28.01	50.41	-0.94
Tata	16.74	29.31	16.13	29.04	-0.60
Sistema	9.04	15.83	9.15	16.47	0.12
BSNL	2.25	3.94	2.17	3.91	-0.08
MTNL	0.13	0.22	0.09	0.16	-0.04
Quadrant	0.003	0.005	0.002	0.004	-0.0003
Total	57.10	100	55.56	100	-1.54

1.24 There has been a net decline of 1.54 million CDMA subscribers during the quarter ending Jun-14.

1.25 In terms of net additions during the quarter, all the service providers except Sistema Shyam, recorded decline in their subscriber base.

Section C : Wireline Service

Table 1.16 : Service Providers providing Wireline Service

[As on 30th June, 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 H.P. and J&K

1.26 Total Wireline subscriber base declined from 28.49 million at the end of Mar-14 to 28.03 million at the end of Jun-14 with declining rate of 1.66%. Overall Wireline Teledensity is 2.25 at the end of this quarter as against 2.30 of the previous quarter.

1.27 Rural subscriber base has shown decline of 2.37%, from 5.96 Million at the end of Mar-14 to 5.81 Million at the end of Jun-14. During the same period, Urban subscription also recorded decline of 1.47%, from 22.54 million to 22.21 million.

Chart 1.9: Wireline Subscriber Base and Teledensity

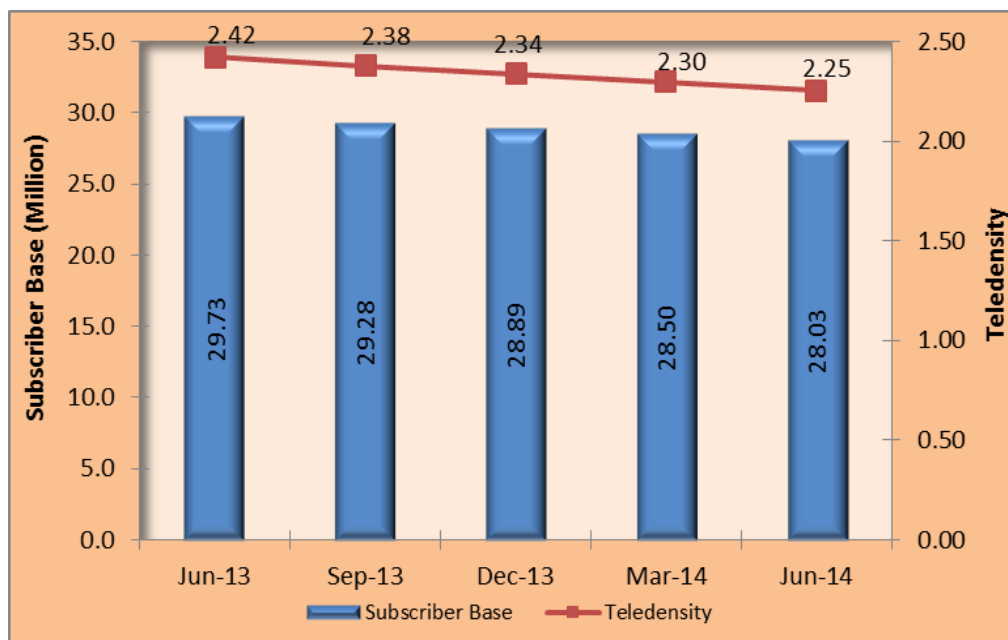


Table 1.17 : Wireline Subscriber Base & Tele-density - Rural & Urban

Quarter ending	Subscriber Base (million)		Teledensity	
	Rural	Urban	Rural	Urban
Jun-13	6.51	23.22	0.76	6.19
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

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

Service Provider	Subscriber Base (million) Jun-14			Share of Rural subscription (%)
	Rural	Urban	Total	
BSNL	5.75	12.27	18.03	31.92
MTNL	-	3.53	3.53	--
Bharti	-	3.35	3.35	--
Tata	0.05	1.52	1.57	3.14
Reliance	0.002	1.21	1.21	0.16
Quadrant	-	0.22	0.22	--
Sistema	0.01	0.05	0.06	17.22
Vodafone	-	0.06	0.06	--
Total	5.81	22.21	28.03	20.75

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

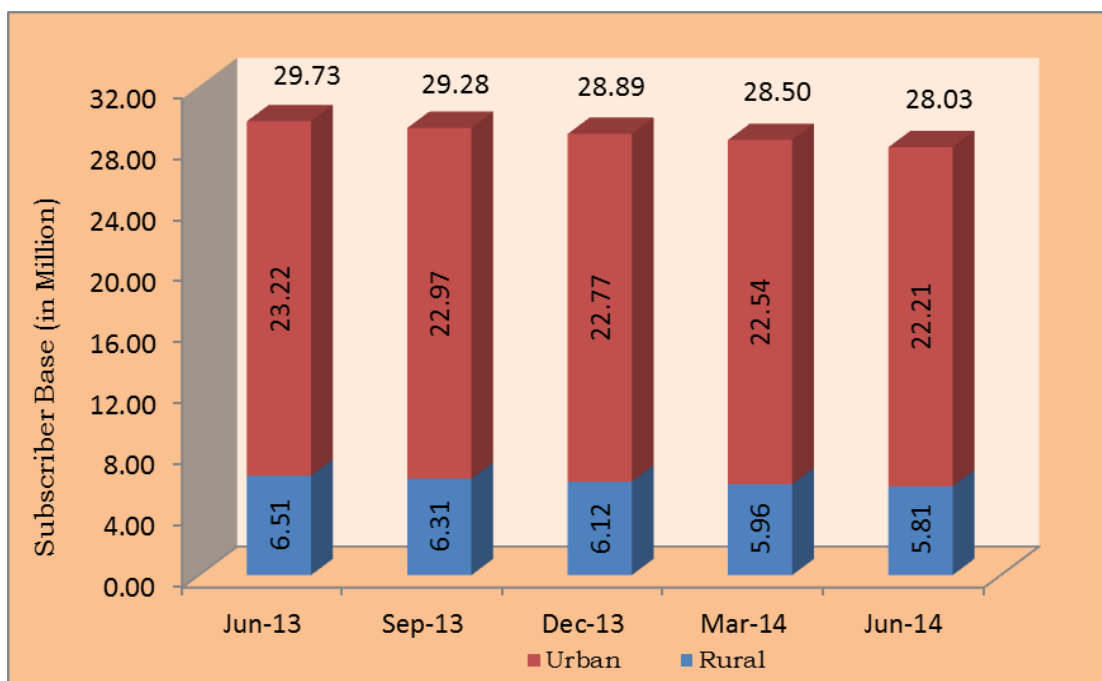


Table 1.19 : Service Provider wise growth in Subscriber base

Service Provider	Subscriber Base (million)			Rate of change (%)	Market share-Mar-14 (%)	Market share-Jun-14 (%)
	Mar-14	Jun-14	Net Addition			
BSNL	18.49	18.03	-0.461	-2.50	64.87	64.32
MTNL	3.54	3.53	-0.013	-0.37	12.43	12.59
Bharti	3.36	3.35	-0.006	-0.18	11.78	11.95
Tata	1.55	1.57	0.021	1.36	5.44	5.60
Reliance	1.24	1.21	-0.026	-2.11	4.35	4.33
Quadrant (HFCL)	0.21	0.22	0.004	1.77	0.75	0.77
Sistema	0.06	0.06	0.001	1.40	0.19	0.20
Vodafone	0.06	0.06	0.008	14.74	0.19	0.23
Total	28.50	28.03	-0.473	-1.66	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	Mar-14	Jun-14	Net Additions (in million)	Rate of Change (%)
Andhra Pradesh	2.04	2.00	-0.044	-2.14
Assam	0.18	0.18	-0.002	-0.89
Bihar	0.38	0.38	-0.001	-0.39
Delhi	3.10	3.11	0.004	0.12
Gujarat	1.69	1.65	-0.043	-2.54
Haryana	0.50	0.49	-0.010	-2.04
Himachal Pradesh	0.25	0.25	-0.007	-2.80
Jammu & Kashmir	0.19	0.18	-0.004	-2.13
Karnataka	2.32	2.27	-0.043	-1.87
Kerala	2.89	2.84	-0.045	-1.55
Madhya Pradesh	1.10	1.10	-0.005	-0.43
Maharashtra	2.31	2.27	-0.041	-1.76
Mumbai	3.06	3.05	-0.019	-0.60
North East	0.14	0.13	-0.007	-4.90
Orissa	0.35	0.34	-0.006	-1.85
Punjab	1.22	1.19	-0.031	-2.56
Rajasthan	0.92	0.90	-0.023	-2.50
T.N. (incl. Chennai)	2.91	2.87	-0.044	-1.52
U.P.(E)	0.80	0.75	-0.052	-6.43
U.P.(W)	0.54	0.53	-0.016	-2.88
Kolkata	1.08	1.06	-0.019	-1.74
W.B.	0.51	0.49	-0.016	-3.22
All India	28.50	28.03	-0.473	-1.66

1.29 All service areas except Delhi showed decline in wireline subscribers during the quarter Jun-14.

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

Service Area	Total Subs	Rural Subs	Urban Subs	% of Rural Subs
Andhra Pradesh	2.00	0.52	1.48	25.90
Assam	0.18	0.03	0.15	18.69
Bihar	0.38	0.11	0.27	28.47
Delhi	3.11	0.00	3.11	0.00
Gujarat	1.65	0.34	1.30	20.78
Haryana	0.49	0.14	0.35	28.18
Himachal Pradesh	0.25	0.18	0.07	72.94
Jammu & Kashmir	0.18	0.03	0.15	17.41
Karnataka	2.27	0.31	1.97	13.58
Kerala	2.84	1.87	0.97	65.83
Madhya Pradesh	1.10	0.16	0.94	14.30
Maharashtra	2.27	0.53	1.74	23.44
Mumbai	3.05	0.00	3.05	0.00
North East	0.13	0.03	0.10	24.50
Orissa	0.34	0.09	0.25	26.54
Punjab	1.19	0.33	0.87	27.32
Rajasthan	0.90	0.20	0.70	22.61
T.N. (incl. Chennai)	2.87	0.49	2.37	17.25
U.P.(E)	0.75	0.15	0.60	20.29
U.P.(W)	0.53	0.07	0.46	12.79
Kolkata	1.06	0.00	1.06	0.00
W.B.	0.49	0.23	0.26	46.43
All India	28.03	5.81	22.21	20.75

Table 1.22: Service Area wise Wireline Teledensity

Service Area	As on 31 st March, 2014			As on 30 th June, 2014		
	Rural Teledensity	Urban Teledensity	Total Teledensity	Rural Teledensity	Urban Teledensity	Total Teledensity
Andhra Pradesh	0.85	6.23	2.35	0.82	6.10	2.29
Assam	0.13	3.01	0.58	0.13	2.97	0.57
Bihar	0.09	1.47	0.28	0.09	1.47	0.28
Delhi	-	-	15.41	-	-	15.32
Gujarat	0.89	5.33	2.72	0.94	5.06	2.64
Haryana	0.82	3.81	1.87	0.80	3.72	1.83
Himachal Pradesh	3.01	8.47	3.63	2.90	8.30	3.52
Jammu & Kashmir	0.37	4.61	1.53	0.36	4.50	1.50
Karnataka	0.86	8.51	3.78	0.82	8.36	3.70
Kerala	7.21	10.97	8.16	7.08	10.79	8.02
Madhya Pradesh	0.22	3.46	1.09	0.21	3.43	1.08
Maharashtra*	0.88	8.47	4.50	0.85	8.37	4.44
Mumbai*						
North East	0.33	3.13	1.03	0.32	2.96	0.97
Orissa	0.27	3.51	0.83	0.26	3.44	0.81
Punjab	1.96	6.82	4.04	1.88	6.64	3.93
Rajasthan	0.39	4.17	1.30	0.38	4.06	1.26
Tamil Nadu (incl. Chennai)	1.71	5.92	4.15	1.68	5.81	4.08
U.P.(E)*	0.14	2.20	0.61	0.13	2.09	0.57
U.P.(W)*						
Kolkata*	0.36	5.05	1.70	0.34	4.94	1.66
W.B.*						
All India	0.69	5.91	2.30	0.68	5.80	2.25

* 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 Jun-14 is 9.13 lakh as compared to 9.57 lakh at the end of Mar-14, showing a decline of 0.44 lakh PCOs. Detailed table is at Annexure -1.4.

Chart 1.11: Number of PCOs

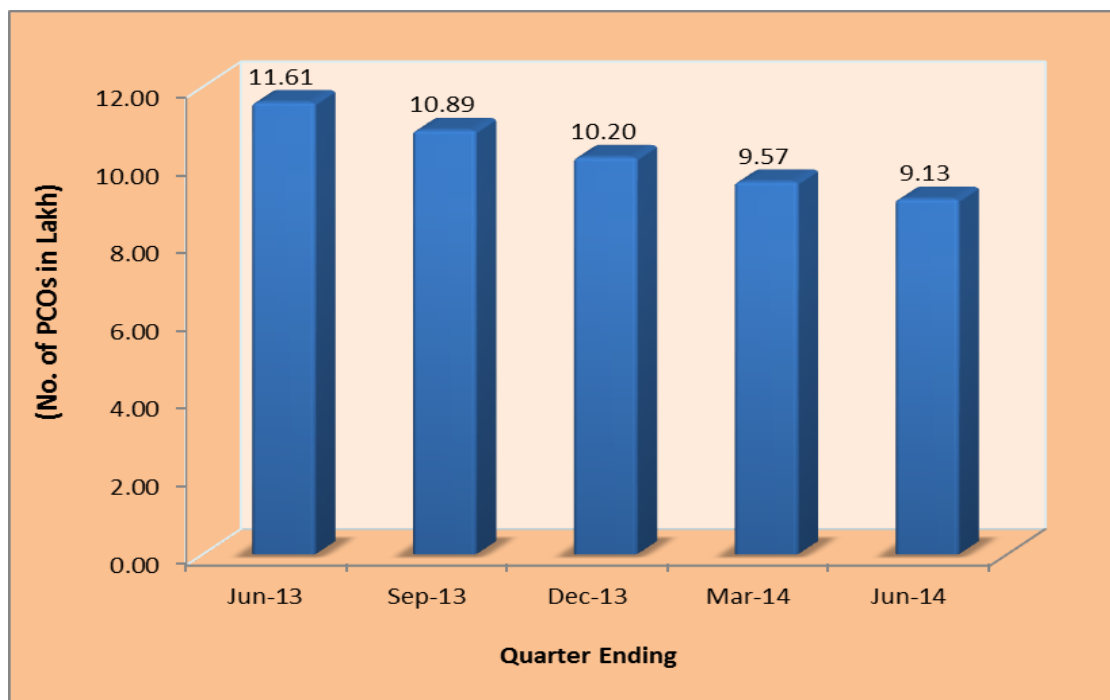


Table 1.23 : Rate of change & Market share of PCOs

Service Provider	Mar-14 (In Lakh)	Jun-14 (In Lakh)	Rate of change (%)	Market share(%) (Jun-14)
BSNL	6.15	5.90	-4.04	64.68
MTNL	1.43	1.42	-1.26	15.51
Bharti	0.27	0.26	-5.57	2.80
Quadrant (HFCL)	0.03	0.03	-4.69	0.33
Sistema	0.12	0.13	6.61	1.42
Tata	0.80	0.70	-11.60	7.71
Reliance	0.77	0.69	-9.94	7.55
Vodafone	-	-	-	-
Total	9.57	9.13	-4.64	100

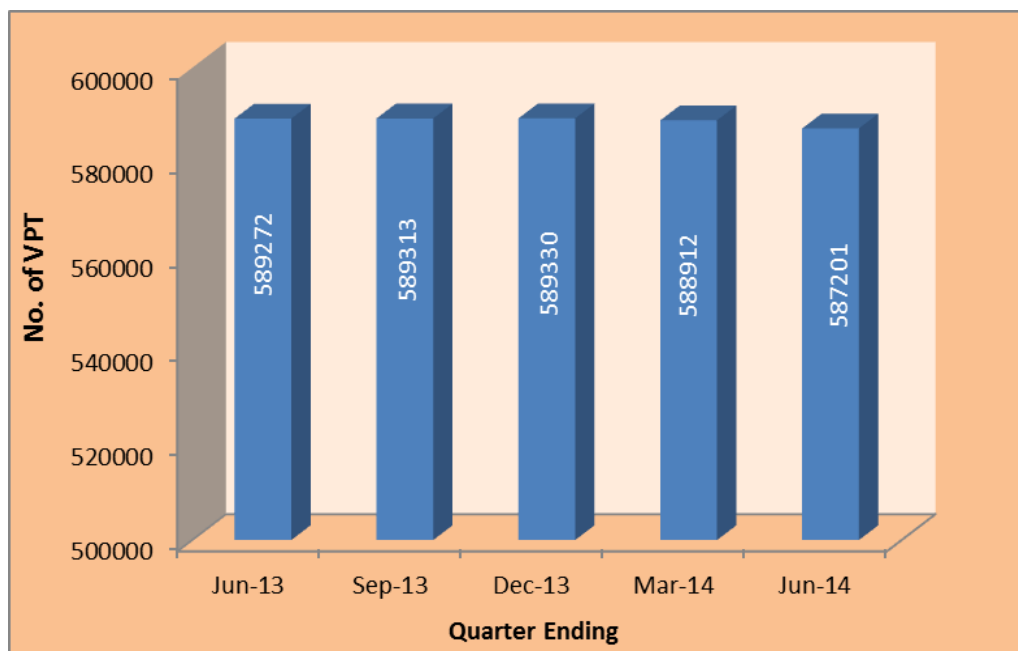
1.31 Number of PCOs continued to show declining trend. This quarter has recorded a decline of 4.64%. The year-on-year (Y-O-Y) decline over the same quarter of the last year is 21.38%.

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, 98.90% of the total inhabited villages in India have been connected by VPT. The number of VPTs declined from 5,88,912 at the end of Mar-14 to 5,87,201 at the end of Jun-14.

1.33 BSNL (5,82,401) 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

1.34 The report summarized information submitted by 127 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)

1.35 As per reports received from service providers, total number of internet subscribers increased from 251.59 million at the end of Mar-14 to 259.14 million at the end of Jun-14 with quarterly growth of 3.00%.

1.36 Wired Internet subscribers increased from 18.50 million at the end of Mar-14 to 18.55 million at the end of Jun-14 with quarterly growth of 0.27% and Wireless Internet subscribers increased from 233.09 million at the end of Mar-14 to 240.60 million at the end of Jun-14 with quarterly growth of 3.22%.

1.37 Number of Broadband subscribers increased from 60.87 million at the end of Mar-14 to 68.83 million at the end of Jun-14. The number of Narrowband subscribers slightly declined from 190.72 million at the end of Mar-14 to 190.31 million at the end of Jun-14.

Table 1.24: Trend of Internet subscriber base

Segment	Mode of Access								Total Subscribers	
	Wired		Wireless							
			Fixed Wireless (Wi-Fi, Wi-Max, Point-to-Point Radio & VSAT)		Mobile Wireless (Phone + Dongle)		Total Wireless			
Mar-14	Jun-14	Mar-14	Jun-14	Mar-14	Jun-14	Mar-14	Jun-14	Mar-14	Jun-14	
Broadband	14.86	14.97	0.40	0.42	45.61	53.43	46.01	53.86	60.87	68.83
Narrowband	3.64	3.58	0.04	0.04	187.04	186.70	187.08	186.74	190.72	190.31
Total	18.50	18.55	0.44	0.46	232.65	240.14	233.09	240.60	251.59	259.14

1.38 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

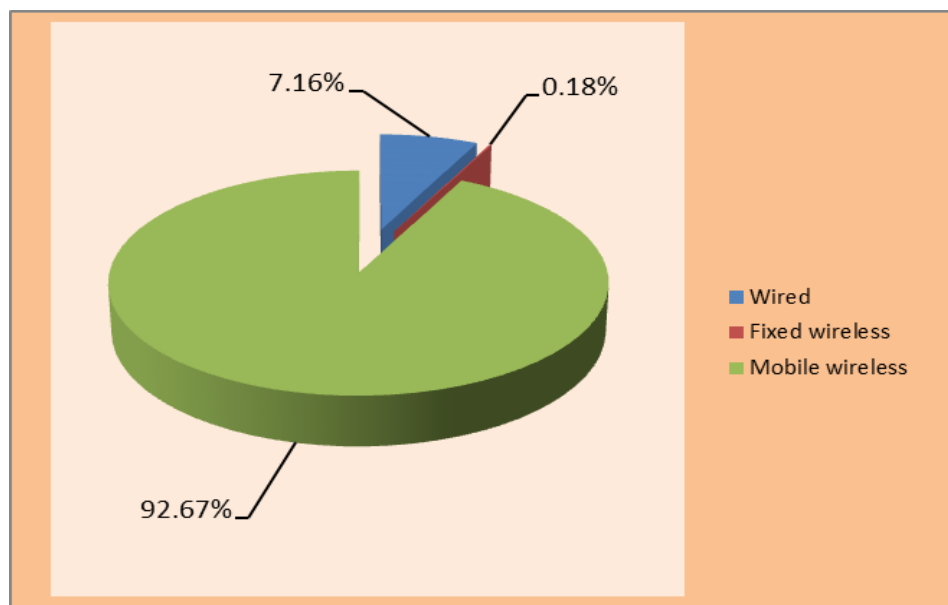


Chart 1.14 : Composition of Broadband & Narrowband subscription

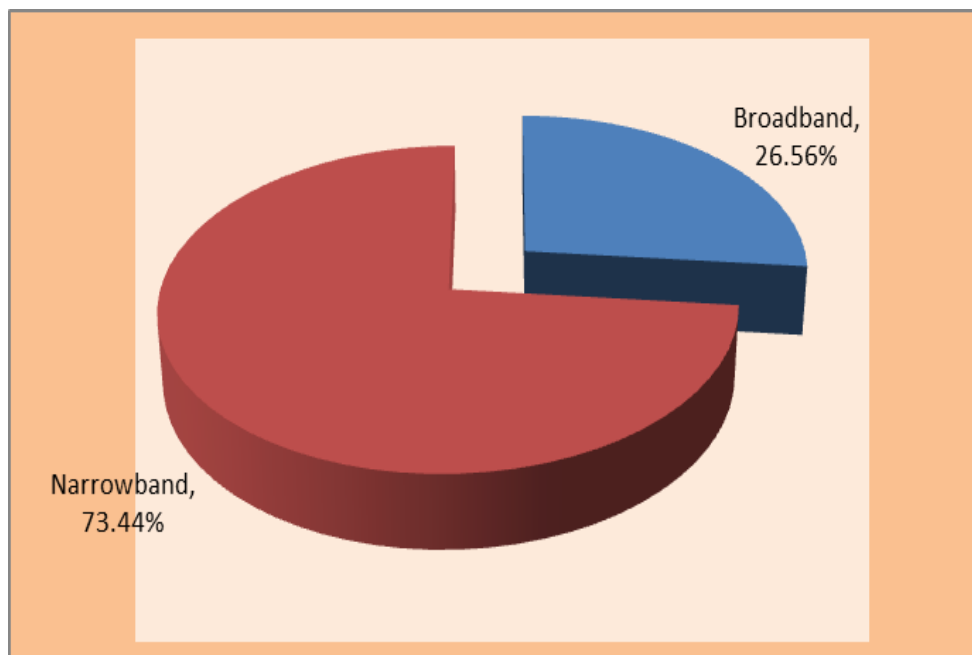


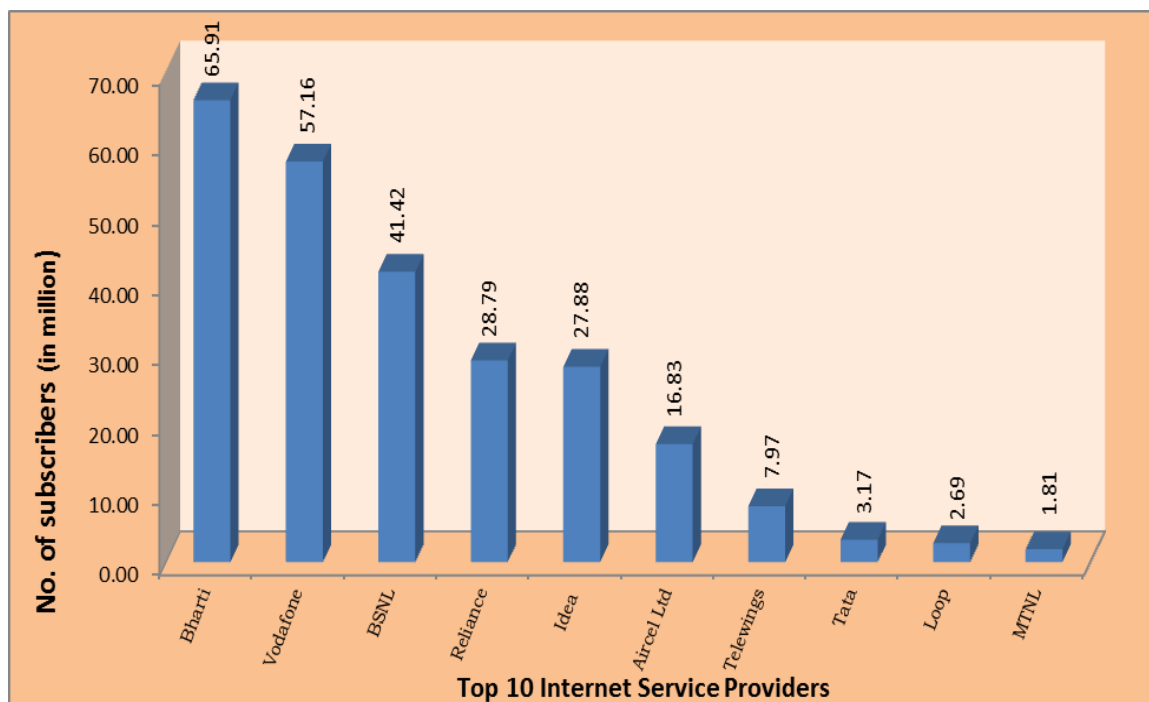
Table 1.25: Internet Subscriber Base and Market Share of top 10 Service Providers – Jun-14

S.No	ISP	Subs	Share (%)
1	Bharti	65913096	25.43
2	Vodafone	57157946	22.06
3	BSNL	41423859	15.98
4	Reliance	28793074	11.11
5	Idea	27879929	10.76
6	Aircel	16830144	6.49
7	Telewings	7972538	3.08
8	Tata	3169507	1.22
9	Loop	2690445	1.04
10	MTNL	1808061	0.70
	Total of Top 10 ISPs	253638599	97.88
	Others	5505141	2.12
	Grand Total	259143740	100.00

1.39 Bharti holds the top position with 25.43% of market share of internet subscribers followed by Vodafone with 22.06%. Top 10 Service Providers together hold 97.88% of total internet subscriber base. Detailed table of all the service providers is available at Annexure-1.6.

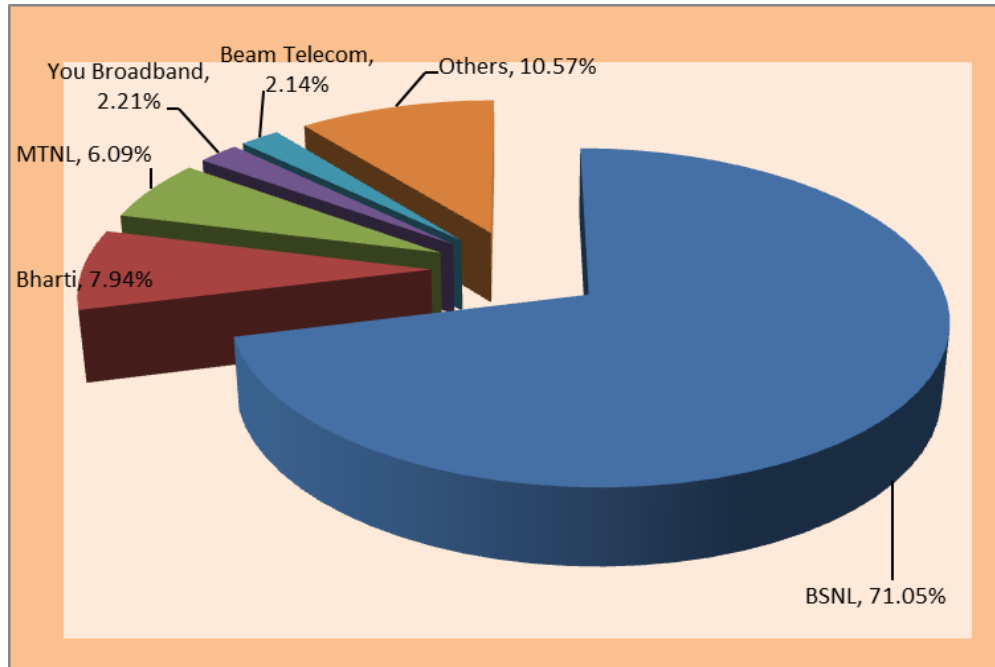
1.40 The following chart depicts the trend of subscriber base achieved by top ten ISPs in the QE Jun-14.

Chart 1.15 : Trends of subscriber base achieved by top ten ISPs



1.41 In wired internet segment, BSNL holds 71.05% market share with 13.18 million subscribers, followed by Bharti with 1.47 million and MTNL with 1.13 million subscribers. Total number of wired internet subscriber is 18.55 million at the end of Jun-14.

Chart 1.16 : Composition of Wired Internet subscribers



1.42 In wireless internet segment, Bharti holds 26.78% market share with 64.44 million subscribers followed by Vodafone with 57.15 million and Reliance Communications Group with 28.64 million internet subscribers.

Chart 1.17 : Composition of Wireless Internet subscription

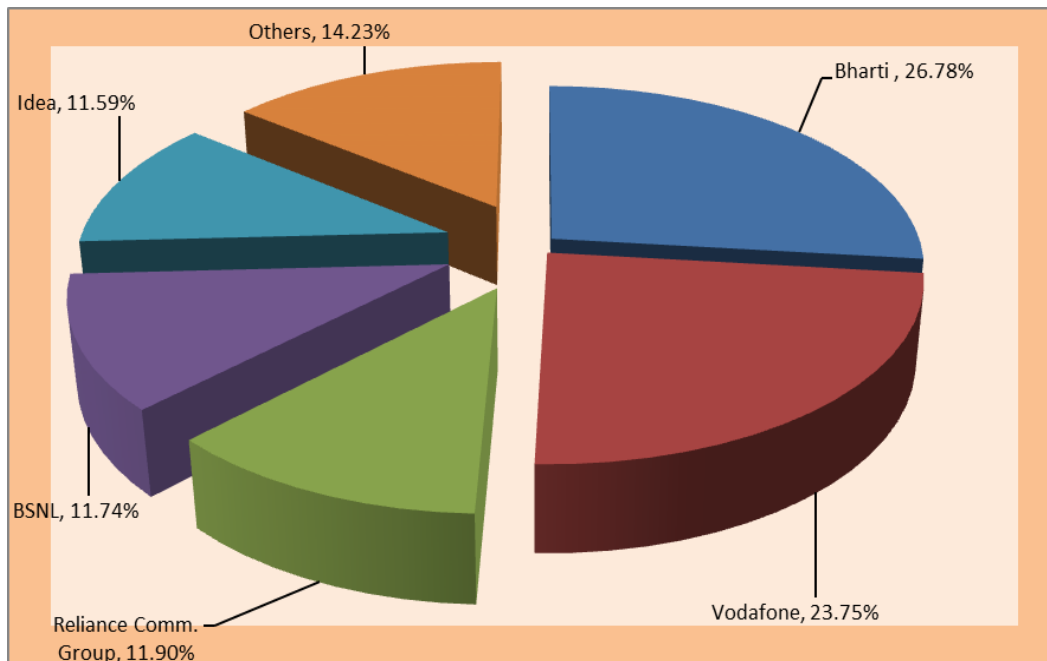


Chart 1.18 : Technology trend for Wireless Internet Access – Jun-14

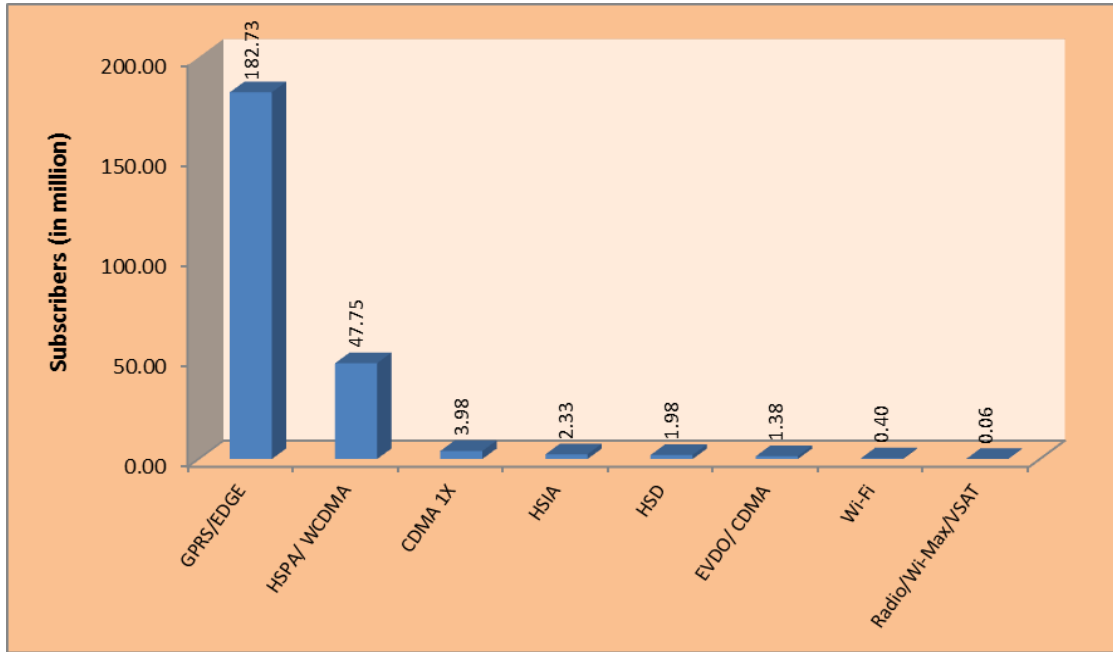
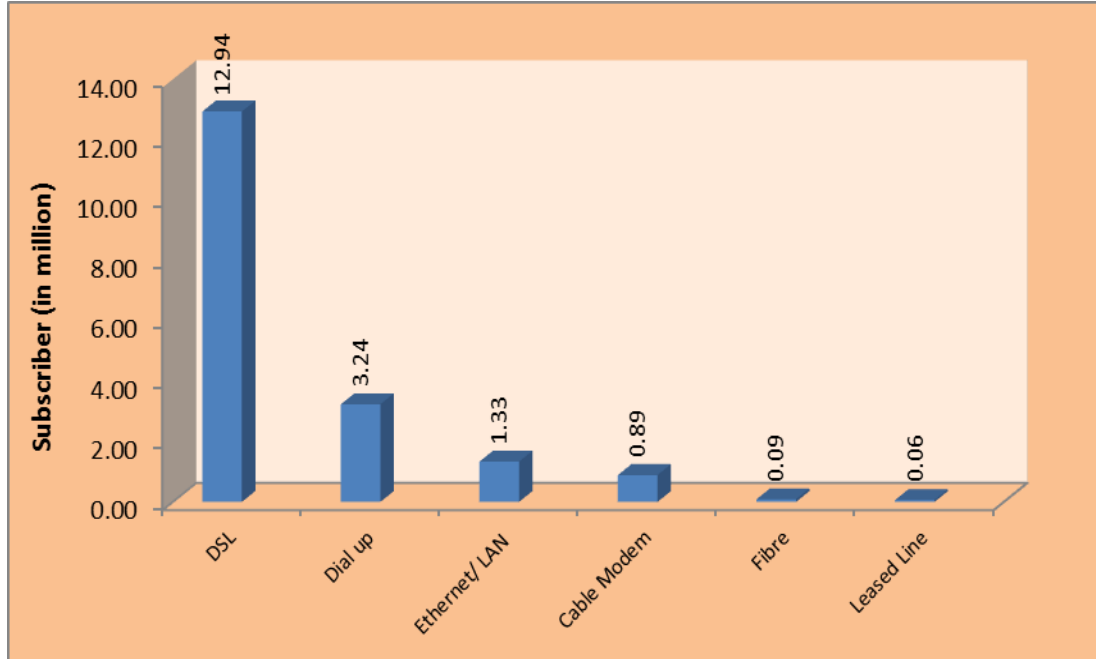


Chart 1.19 : Technology trend for Wired Internet Access – Jun-14



1.43 Top five service areas in terms of internet subscriptions (wired + wireless) are Maharashtra (25.34 million), Tamil Nadu including Chennai (20.90 million), Gujarat (18.58 million), Andhra Pradesh (18.45 million) and U.P.-East (15.77 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	13.12	5.32	18.45	21.16
Assam	3.56	0.95	4.52	14.19
Bihar	10.38	2.31	12.69	9.41
Delhi	8.79	6.95	15.74	77.58
Gujarat	13.73	4.85	18.58	29.83
Haryana	4.33	1.52	5.85	21.83
Himachal Pradesh	1.82	0.64	2.47	35.26
J & K	2.32	0.96	3.29	26.94
Karnataka	10.48	5.00	15.48	25.20
Kerala	7.32	4.04	11.36	32.08
Madhya Pradesh	12.18	2.85	15.03	14.83
Maharashtra	19.30	6.04	25.34	33.34*
Mumbai	8.98	5.56	14.54	
North East	2.42	0.72	3.14	22.96
Orissa	4.17	1.23	5.41	12.90
Punjab	8.64	1.91	10.55	34.77
Rajasthan	10.56	2.99	13.55	19.00
Tamil Nadu (incl. Chennai)	13.86	7.04	20.90	29.70
UP (East)	13.63	2.14	15.77	11.90*
UP (West)	8.51	2.23	10.75	
Kolkata	4.51	1.82	6.34	16.88*
West Bengal	7.69	1.73	9.42	
Total	190.31	68.83	259.14	20.83

* 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.

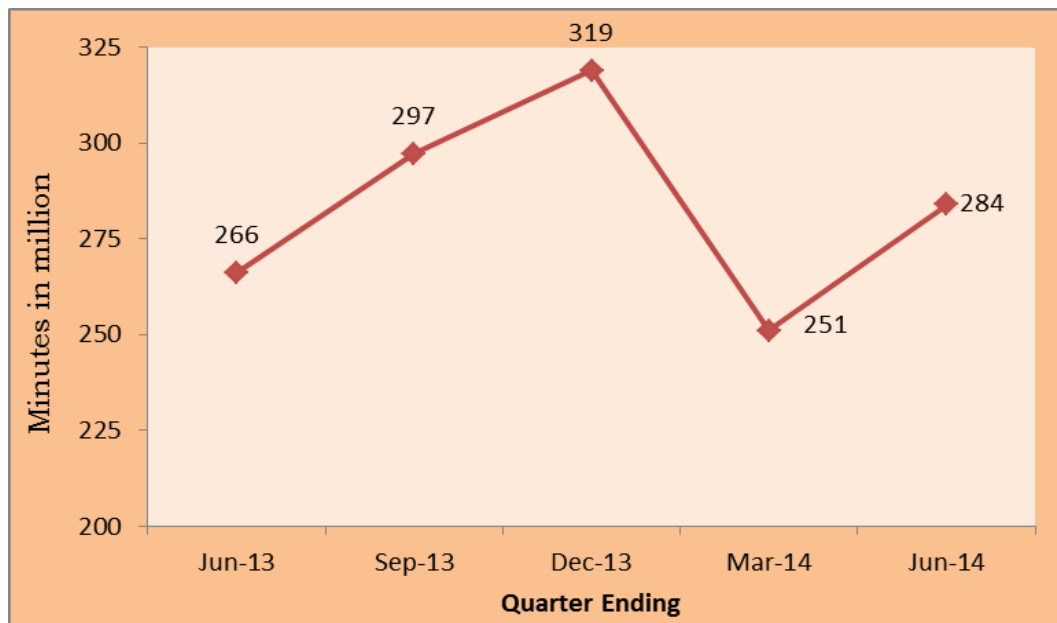
ISP Connectivity

1.44 The International Internet bandwidth owned by various SPs is reported to be 1312 GB during the quarter ending Jun-14.

Internet Telephony

1.45 As per the report available with the TRAI from 23 ISPs providing Internet Telephony services, the total outgoing minutes of usage for internet telephony increased from 251 million during the Q.E. Mar-14 to 284 million during the Q.E. Jun-14. The list of these Internet Telephony Service providers is available at Annexure-1.7.

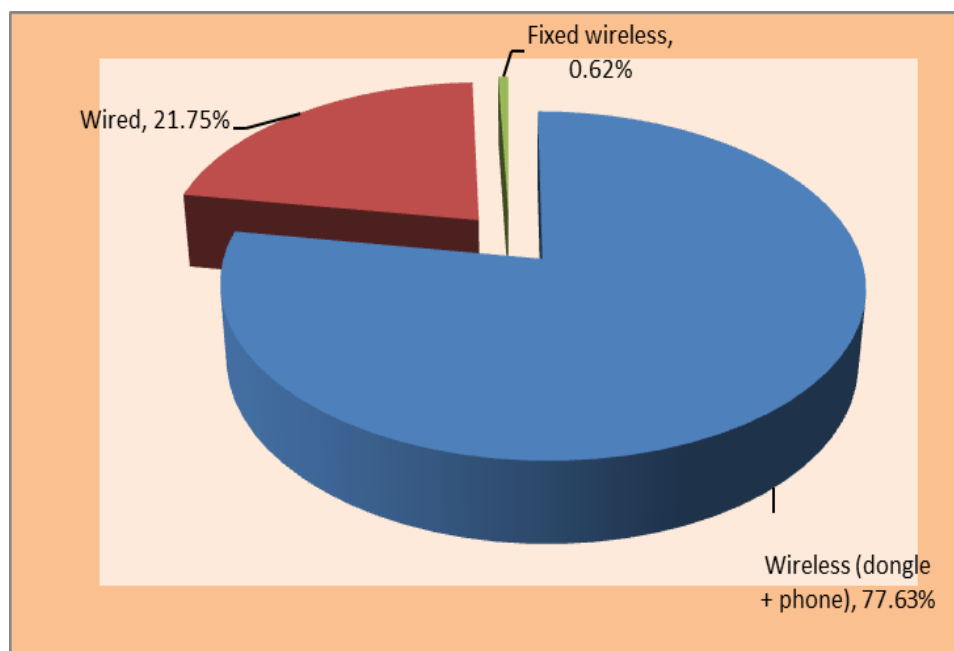
Chart 1.20 : Trends in MOU for Internet Telephony



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

- 1.46 As per information received from service providers, the total number of broadband subscribers increased from 60.87 million at the end of Mar-14 to 68.83 million at the end of Jun-14. Out of which wired broadband subscribers are 14.97 million and wireless broadband subscribers are 53.86 million.
- 1.47 Top five broadband (wired+wireless) service providers in term of subscribers are BSNL (18.53 million), Bharti (14.76 million), Vodafone (10.30 million), Idea (8.78 million) and Reliance Communications Group (6.11 million).
- 1.48 In wired broadband segment, BSNL holds 66.68% market share with 9.98 million subscribers followed by Bharti with 1.39 million and MTNL with 1.13 million subscribers.
- 1.49 In wireless broadband segment, Bharti holds 24.84% market share with 13.38 million subscribers followed by Vodafone with 10.30 million and Idea Cellular with 8.78 million subscribers.
- 1.50 Top five service areas in respect of broadband subscriptions are Tamil Nadu including Chennai (7.04 million), Delhi (6.95 million), Maharashtra (6.04 million), Mumbai (5.56 million) and Andhra Pradesh (5.32 million).

Chart 1.21 : Composition of Broadband subscription – Technology wise



1.51 Mobile Device Users (dongle + phone) constitute 77.63% of total broadband subscribers.

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

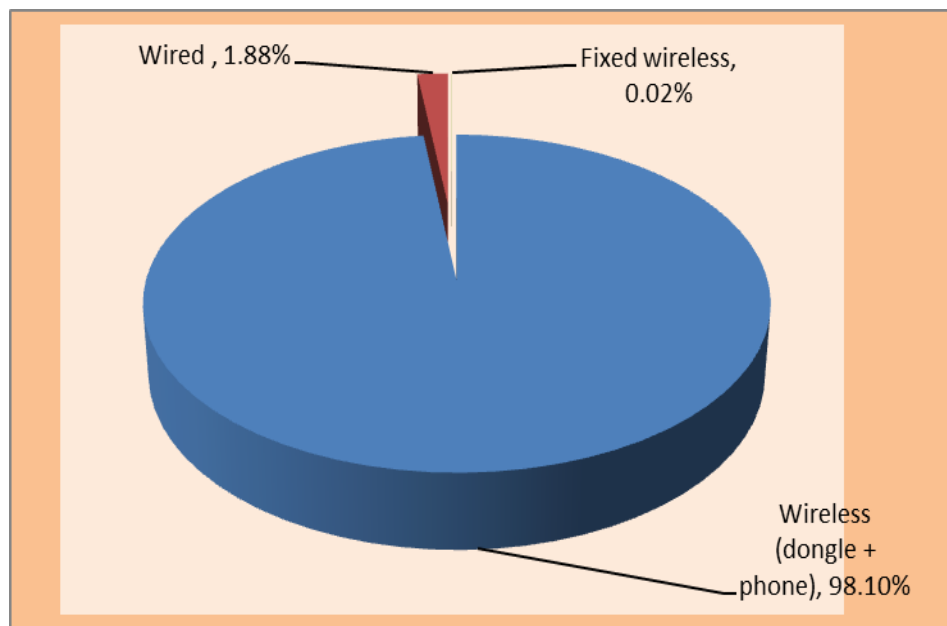
1.52 As reported by the service providers, total number of narrowband subscribers declined from 190.72 million at the end of Mar-14 to 190.31 million at the end of Jun-14. Out of which Wired Narrowband subscribers are 3.58 million and Wireless Narrowband subscribers are 186.74 million.

1.53 The top five narrowband (wired + wireless) service providers in term of subscriber base are Bharti (51.15 million), Vodafone (46.85 million), BSNL (22.89 million), Reliance Communications Group (22.68 million) and Idea (19.10 million).

1.54 In wired narrowband segment, BSNL holds 89.36% market share with 3.19 million subscribers followed by Bharti (0.09 million) and Tata (0.08 million).

1.55 In wireless narrowband segment, Bharti holds 27.34% market share with 51.06 million subscribers followed by Vodafone (46.85 million) and Reliance Communications Group (22.64 million).

Chart 1.22 : Composition of Narrowband subscription – Technology wise



Section E : Other Value Added Services - PMRTS & VSAT

Public Mobile Radio Trunk Services (PMRTS)

Table 1.27 : PMRTS Subscriber base - Service Provider wise

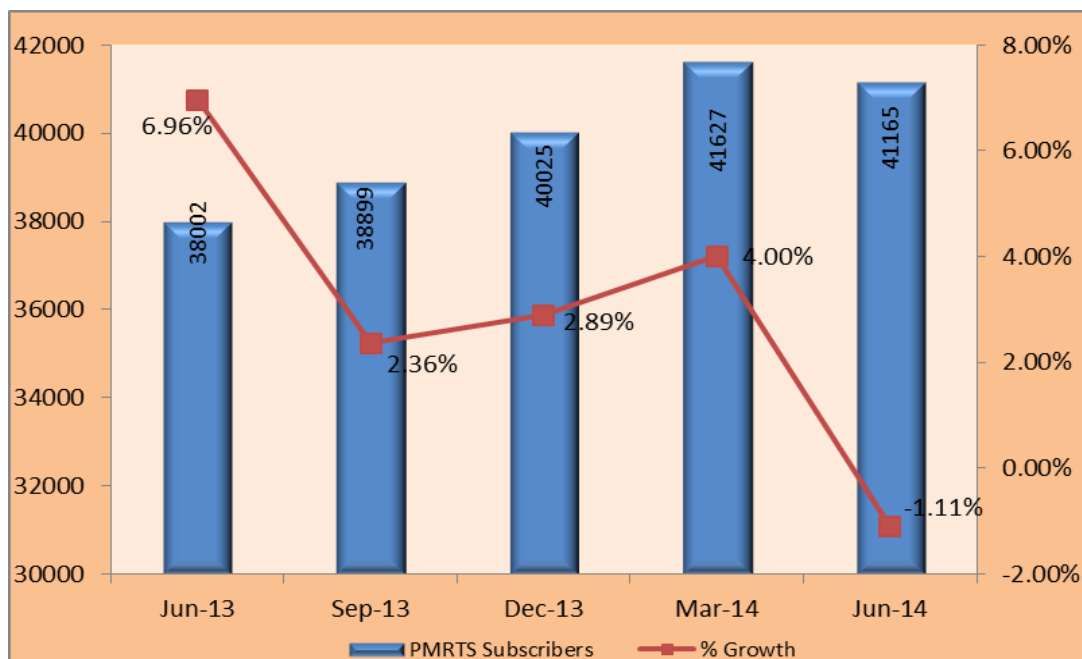
Sr. No.	Name of the Service Provider	Subscriber Base as on 31.03.2014	Subscriber Base as on 30.06.2014	%age Growth in Subscribers	%age in Market Share
1	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	30947	32199	4.05	78.22
2	Procall Ltd.	5946	4863	-18.21	11.81
3	Smartalk Pvt Ltd.	1158	972	-16.06	2.36
4	QuickCall	2896	2530	-12.64	6.15
5	Bhilwara Telenet Services Pvt.Ltd.	680	601	-11.6	1.46
6	India Satcom Ltd.	0	0	0.00	0.00
	Total	41627	41165	-1.11	100.00

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

1.56 The subscriber base of PMRTS decreased from 41,627 at the end of Mar-14 to 41,165 at the end of Jun-14 with quarterly decline rate of 1.11%.

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

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



Very Small Aperture Terminal (VSAT)

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 (%) Mar-14
		Mar-14	Jun-14		
1	Hughes Communications Ltd.	89122	93309	4.70	42.13
2	Bharti Airtel Limited,	52522	53388	1.65	24.11
3	Tatanet Services	31940	31838	-0.32	14.38
4	HCL Comnet	21734	21034	-3.22	9.50
5	BSNL	14930	15678	5.01	7.08
6	Infotel Satcom	1785	1785	0.00	0.81
7	Infinium India Ltd.	911	2154	136.44	0.97
8	Essel Shyam	400	400	0.00	0.18
9	Bharti Broadband	118	118	0.00	0.05
10	National Informatics Centre Services Incorporated*	-	1749	-	0.79
	Total	213462	221453	3.74	100

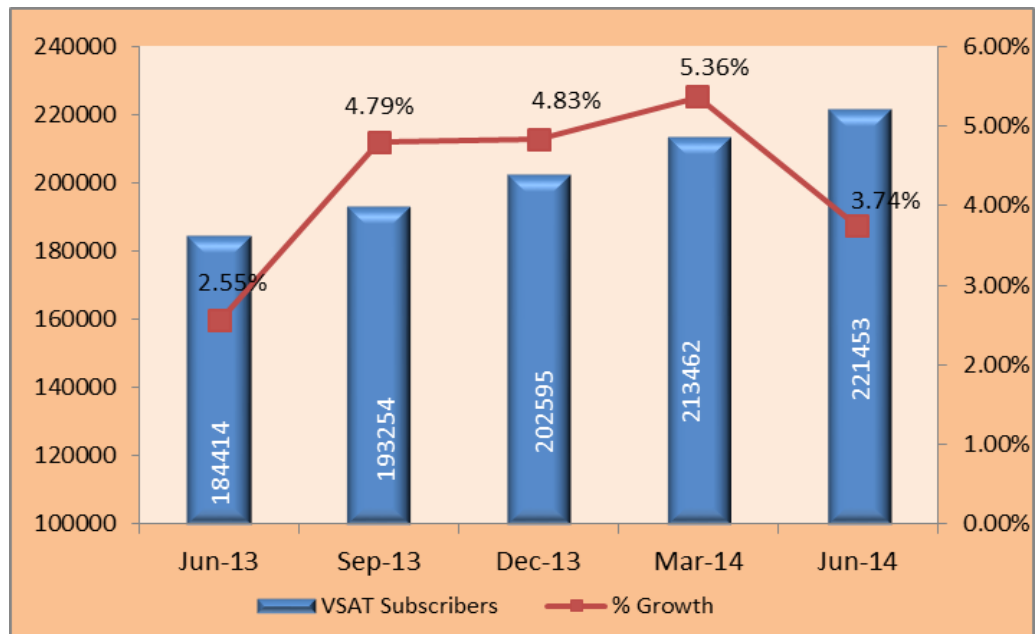
*National Informatics Centre Services Incorporated reported VSAT subscriber w.e.f. QE Jun-14.

1.58 The total number of VSAT subscribers increased from 2,13,462 at the end of Mar-14 to 2,21,453 at the end of Jun-14. Net addition during the quarter has been 7,991 at the quarterly growth rate of 3.74%.

1.59 Hughes Communication Limited continues to be the market leader with subscriber base of 93,309.

1.60 Infinium India Ltd has recorded maximum growth rate, whereas HCL Comnet and Tatanet Services 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 April, 2014 to 30th June, 2014 in the various service areas.

Section A: GSM Service

Table 2.1: Key Indicators - GSM Service

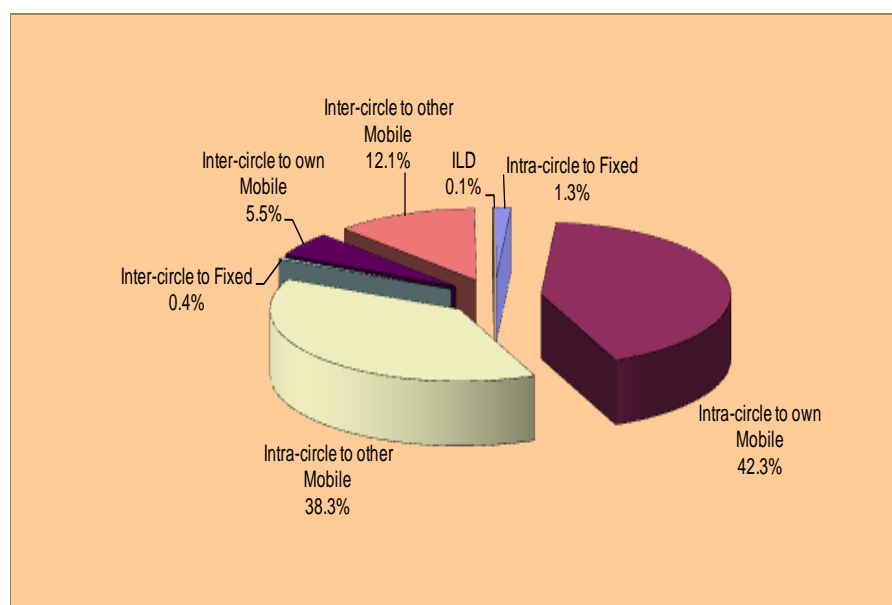
Parameter	Q.E. Jun-14	Q.E. Mar-14	Q.E. Jun-13	QoQ %age change over Mar-14	YoY %age change over Jun-13
Subscriber Base# (million)	858.88	846.72	801.62	1.44	7.14
Share of Prepaid (%)	95.89	95.92	96.21	-0.04	-0.33
Incoming MOU* per subscriber per month	201	201	199	0.21	1.09
Outgoing MOU* per subscriber per month	189	188	189	0.64	0.17
No. of Outgoing SMS per subscriber per month	25	27	27	-4.84	-7.77
Average Revenue Per User (ARPU) per month	119	113	111	4.84	6.72

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

* Minutes of Usage

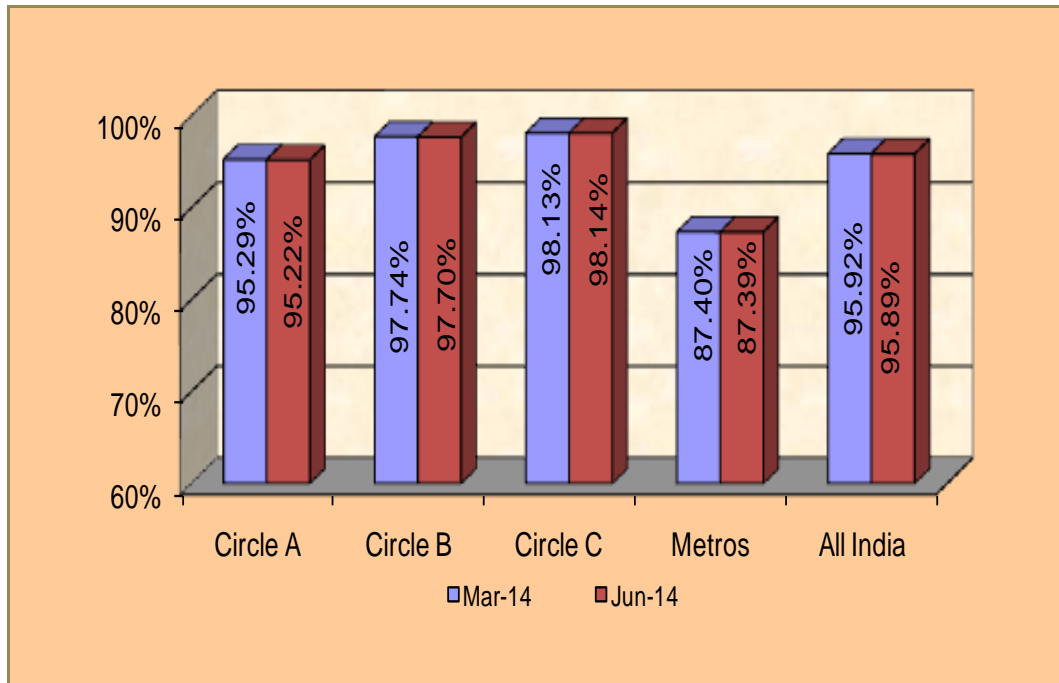
2.1 The following chart presents % break-up of outgoing minutes from Home Service Area (HSA) in the QE Jun-14.

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 95.92% at the end of Mar-14 to 95.89% at the end of Jun-14.

2.4 The ARPU per month (all India, blended) increased from Rs.113 in Q.E. Mar-14 to Rs.119 in Q.E. Jun-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. June, 2014 (in Rs)		
	Post-paid	Pre-paid	Blended
Circle A	468	110	127
Circle B	437	100	108
Circle C	452	103	110
Metros	497	102	152
All India	469	104	119
All private SPs	475	107	122
BSNL/MTNL	415	83	96

2.5 The ARPU per month for pre-paid segment increased from Rs.99 in QE Mar-14 to Rs.104 in QE Jun-14 and the ARPU per month for post-paid segment decreased from Rs.453 in QE Mar-14 to Rs.469 in QE Jun-14.

2.6 The following table presents the composition of ARPU per month in the Q.E. Jun-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	19.16	14.7
1.2.	Revenue from calls	74.05	56.7
1.3.	Revenue from SMS	3.94	3.0
1.4.	Revenue from data usage	18.29	14.0
1.5.	Revenue from other VAS	5.11	3.9
1.6.	Other revenue	2.09	1.6
2	Usage outside Home Service Area		
2.1.	Revenue from outroamers	7.90	6.1
3	Total revenue from subscribers (1+2)	130.55	100
4	Net inter-operator settlement charges receivable *	-11.61	
5	Net Revenue (ARPU) per month(3+4)	118.94	

* 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.11.61) accounts for 8.90% of the total revenue from subscribers.
- 2.8 Revenue from data usage from home service area increased from Rs.16.19 per subscriber per month in the QE Mar-14 to Rs.18.29 in the QE Jun-14.
- 2.9 On an all India average, the overall minutes of usage (MOU) per subscriber per month increased from 389 in QE Mar-14 to 390 in QE Jun-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	583	418	1002	170	175	345	190	186	376
Circle B	578	388	967	167	198	365	176	202	378
Circle C	543	391	934	186	237	422	192	239	432
Metro	544	362	906	192	171	363	237	195	431
All India	568	393	961	173	193	366	189	201	390

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 Jun-14 is 52:48.

2.11 No. of outgoing SMS per subscriber per month decreased from 27 in Q.E. Mar-14 to 25 in Q.E. Jun-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	66	35	36
Circle B	60	17	18
Circle C	37	16	16
Metro	47	24	27
All India	57	24	25

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

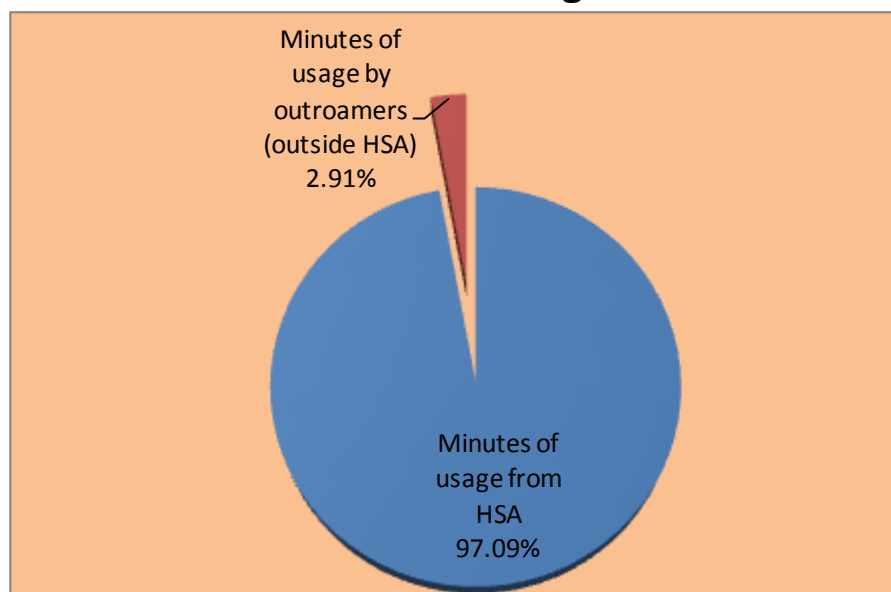
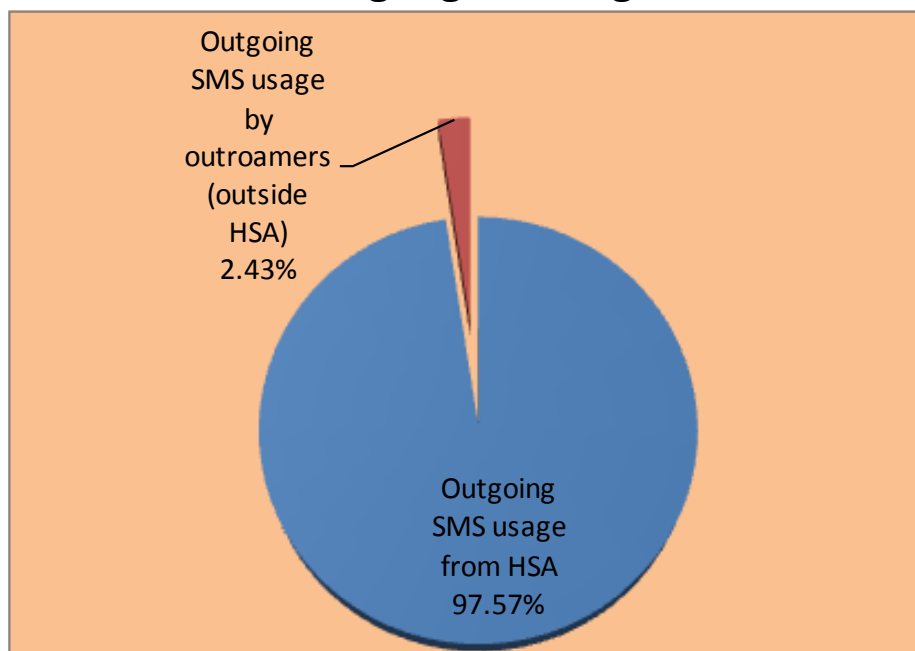


Chart 2.4: Outgoing SMS Usage by Out-roamers as a % of Total No. of Outgoing SMS Usage



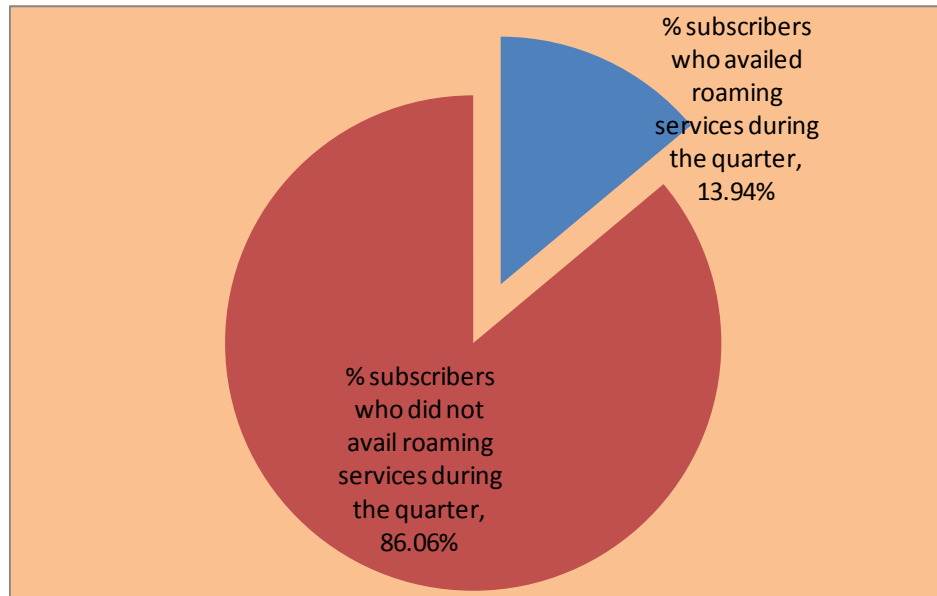
2.12 The following table presents the percentage break-up of outgoing minutes of usage from home service area between various categories of termination networks.

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	1.48	39.71	42.81	0.33	4.38	11.16	0.13
Circle B	0.95	46.24	37.49	0.26	5.07	9.89	0.10
Circle C	1.12	52.05	32.41	0.62	4.75	9.01	0.05
Metros	1.80	25.08	34.49	0.70	11.16	26.45	0.33
All India	1.26	42.33	38.31	0.39	5.47	12.11	0.13

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

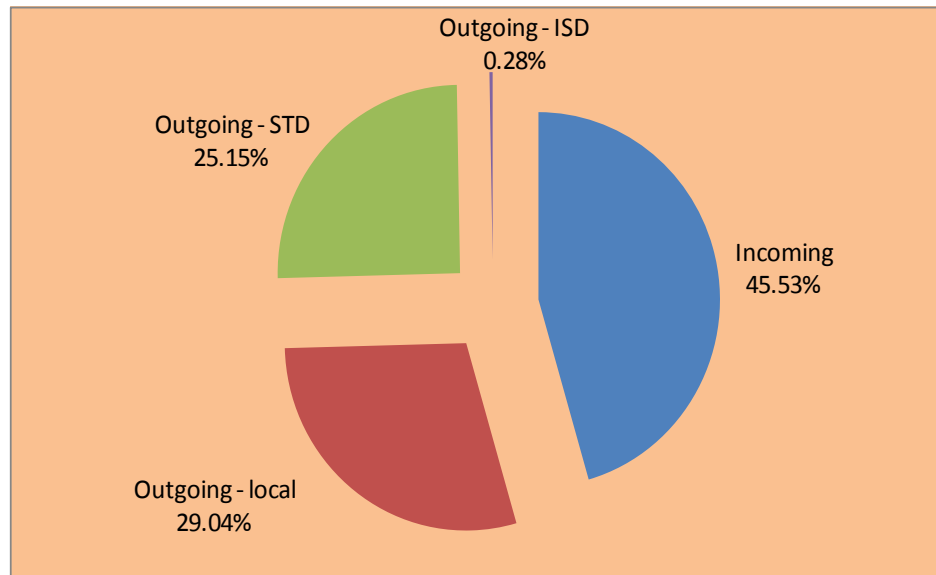
Chart 2.5: % subscribers who availed roaming services during the quarter



2.14 The usage pattern of out-roamers i.e. usage from outside the home service area shows that incoming minutes accounts for 45.53% of the total minutes of usage by out-roamers as against 44.59% 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. Jun-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.

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

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

(₹ per minute)

Circle Category	Postpaid	Prepaid	Blended
Circle A	0.56	0.53	0.53
Circle B	0.56	0.48	0.49
Circle C	0.62	0.45	0.46
Metros	0.66	0.53	0.57
All India	0.59	0.50	0.51

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

Table 2.8: Trends of Key Parameters - GSM Service

Parameter	Jun-13	Sep-13	Dec-13	Mar-14	Jun-14
1. ARPU (₹ Per month)	111	109	112	113	119
2. MOU per subscriber per month	388	375	379	389	390
3. Outgoing MOU per subscriber per month					
3.1 Local (Intra-circle)	154	145	147	151	153
3.2 NLD (inter-circle)	35	37	37	37	36
3.3 ILD	0.3	0.3	0.3	0.3	0.3
4. No. of Outgoing SMS per subscriber per month	27	29	28	27	25
5. Average subscriber Outgo per outgoing minute from HSA (₹)	0.50	0.51	0.51	0.50	0.51

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

Section B: CDMA - Full Mobility Service

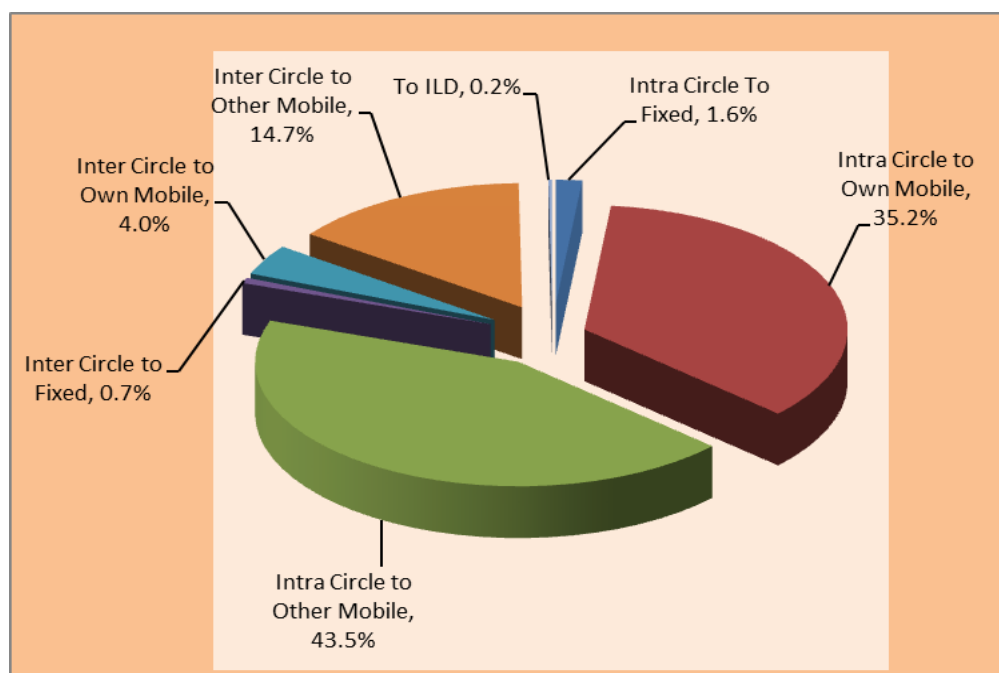
Table 2.9: Key Indicators - CDMA Full Mobility Service

Parameters	QE Jun- 2014	QE Mar- 2014	QE Jun- 2013	QoQ change (%)	YoY change (%)
Subscriber Base in Millions*	45.06	46.34	58.32	-2.76	-22.73
Share of Prepaid (%)	89.04	89.82	90.49	-0.87	-1.61
Incoming MOUs per subscriber per month	136	133	132	2.48	3.27
Outgoing MOUs per subscriber per month	147	142	146	2.90	0.17
No. of Outgoing SMS per subscriber per month	17	17	17	0.62	-2.19
ARPU (Rs. per month)	112	105	98	6.22	13.38

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

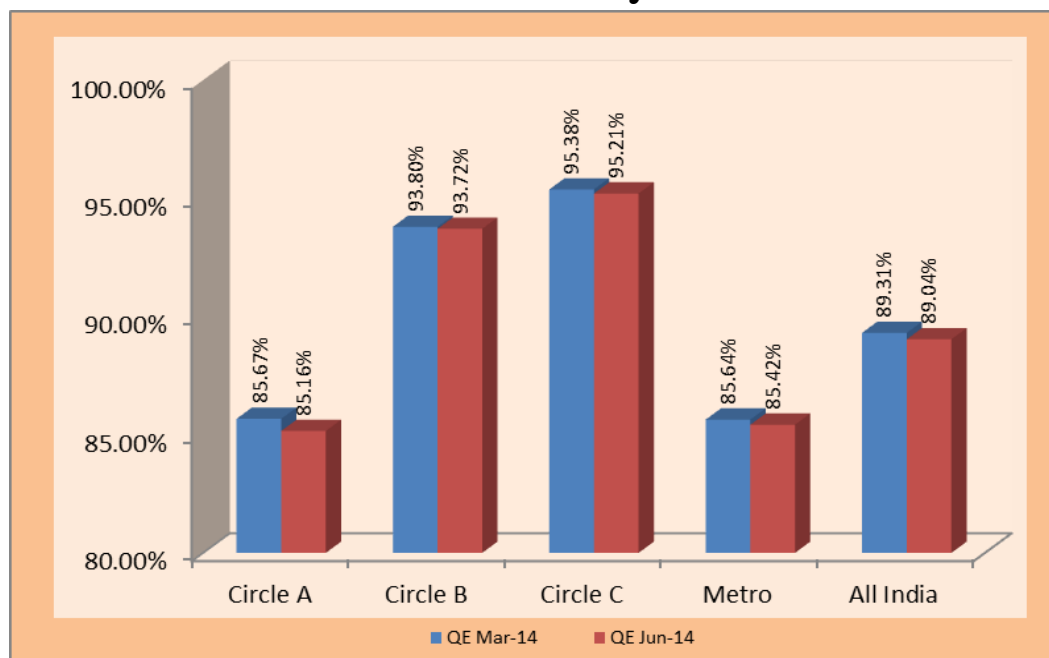
2.19 The following chart depicts % break-up of outgoing minutes from home service area (HSA).

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 89.31% in QE Mar-14 to 89.04% in QE Jun-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	475	78	136
Circle B	412	62	83
Circle C	470	63	82
Metro	509	66	130
All India	475	68	112

2.23 The All India blended Average Revenue Per User (ARPU) per month has shown an increase of 6.21% from Rs.104.98 in QE Mar-14 to Rs.111.51 in QE Jun-14.

2.24 ARPU for Prepaid service increased by 3.35% from Rs.65.38 in QE Mar-14 to Rs.67.57 in QE Jun-14. ARPU for Postpaid service has increased by 5.20% from Rs.451.48 in QE Mar-14 to Rs.474.95 in QE Jun-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	22.87	18.75
1.2	Revenue from Calls	46.01	37.71
1.3	Revenue from SMS	1.91	1.56
1.4	Revenue from data usage	42.46	34.80
1.5	Revenue from other VAS	2.95	2.42
1.6	Other Revenue	2.81	2.31
2	Usage Outside Home Service Area		
2.1	Revenue from Out-roamers	3.00	2.46
3	Total Revenue from Subscribers (1+2)	122.01	100
4	Net inter-operator settlement charges receivable*	-10.51	
5	Net Revenue (ARPU) (3+4)	111.51	

* 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.10.51) accounts for 8.61% of total revenue from subscribers.

2.26 The total MOUs per subscriber per month increased by 2.70%, from 275 in QE Mar-14 to 283 in QE Jun-14. The outgoing MOUs increased by 2.90% and incoming MOUs increased by 2.48% during this quarter.

2.27 Prepaid MOUs per subscriber per month increased by 3.41%, while postpaid MOUs per subscriber per month decreased by 2.84% in this quarter.

2.28 No. of Outgoing SMS per subscriber per month has increased by 0.62%, from 16.63 in Mar-14 to 16.73 QE Jun-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	276	135	411	124	127	251	146	128	274
Circle B	361	178	539	138	149	287	152	151	303
Circle C	448	342	790	111	166	277	127	174	301
Metro	267	129	396	126	113	239	146	116	262
All India	296	149	445	129	135	263	147	136	283

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	13	20	19
Circle B	12	16	15
Circle C	12	10	10
Metro	15	18	18
All India	14	17	17

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 usage

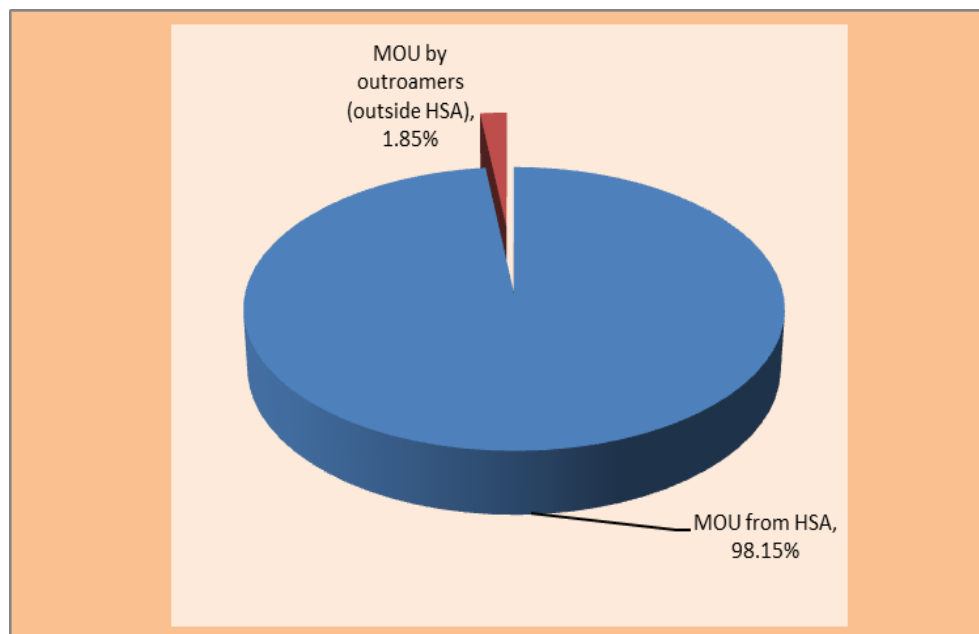


Table 2.14: %Break-up of Outgoing minutes from Home Service Area (HSA) - CDMA Full Mobility Service

Circle	Intra Circle To Wireline (%)	Intra Circle to Own Wireless(%)	Intra Circle to Other Wireless(%)	Inter Circle to Wireline (%)	Inter Circle to Own Wireless(%)	Inter Circle to Other Wireless(%)	ILD (%)
Circle A	2.0	30.8	55.3	0.7	2.6	8.1	0.4
Circle B	0.9	42.2	43.0	0.6	3.7	9.5	0.1
Circle C	1.8	42.1	29.4	1.5	4.9	20.2	0.03
Metro	2.0	29.0	35.4	0.7	5.5	27.3	0.2
All India	1.6	35.2	43.5	0.7	4.0	14.7	0.22

2.29 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

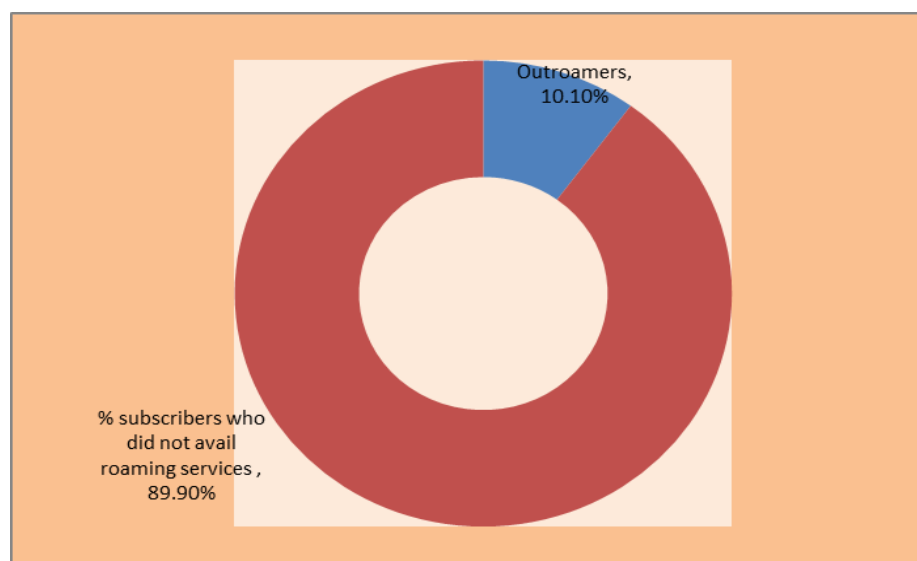


Chart 2.11: Percentage breakup of minutes of usage of Out-roamers (usage from outside the Home Service Area)

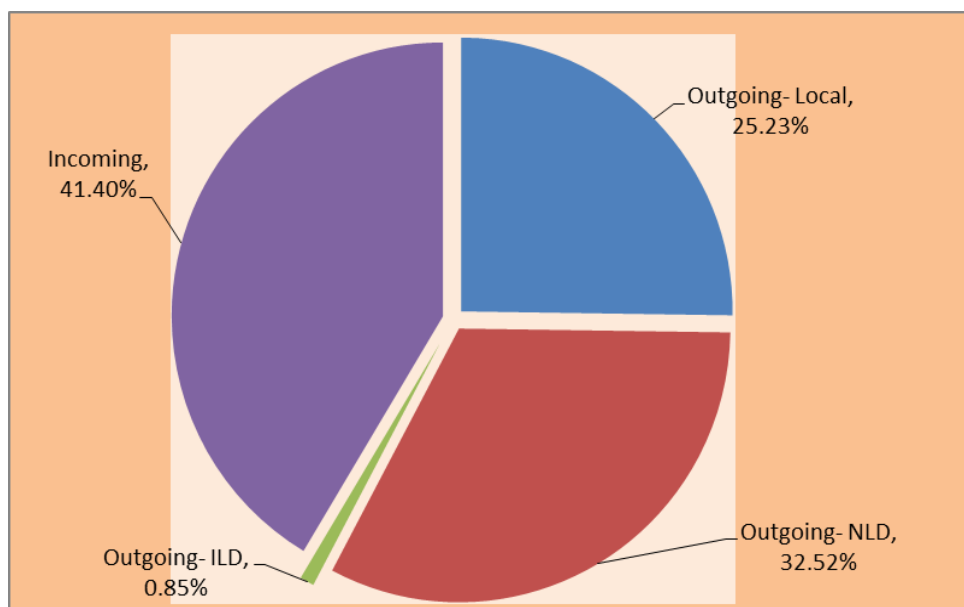


Table 2.15: Average subscriber outgo per outgoing minute from HSA - CDMA Full Mobility Service

[₹ Per min]

Circle Category	Postpaid	Prepaid	Blended
Circle A	0.84	0.39	0.51
Circle B	0.68	0.33	0.38
Circle C	0.78	0.47	0.52
Metros	0.92	0.44	0.57
All India	0.82	0.39	0.48

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 2.16: Trends of Key Parameters - CDMA Full Mobility Service

Parameter	Jun-13	Sep-13	Dec-13	Mar-14	Jun-14
1. ARPU (₹ Per month)	98	98	104	105	112
2. MOU per subscriber per month	278	262	272	275	283
3. Outgoing MOU per subscriber per month					
3.1 Local (Intra-circle)	117	108	112	112	115
3.2 NLD (inter-circle)	26	26	26	28	28
3.3 ILD	0.24	0.24	0.25	0.28	0.31
4. Outgoing SMS per subscriber per month SMS	17	17	17	17	17
5. Average subscriber Outgo per outgoing minute from HSA (₹)	0.42	0.48	0.48	0.47	0.48

2.30 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

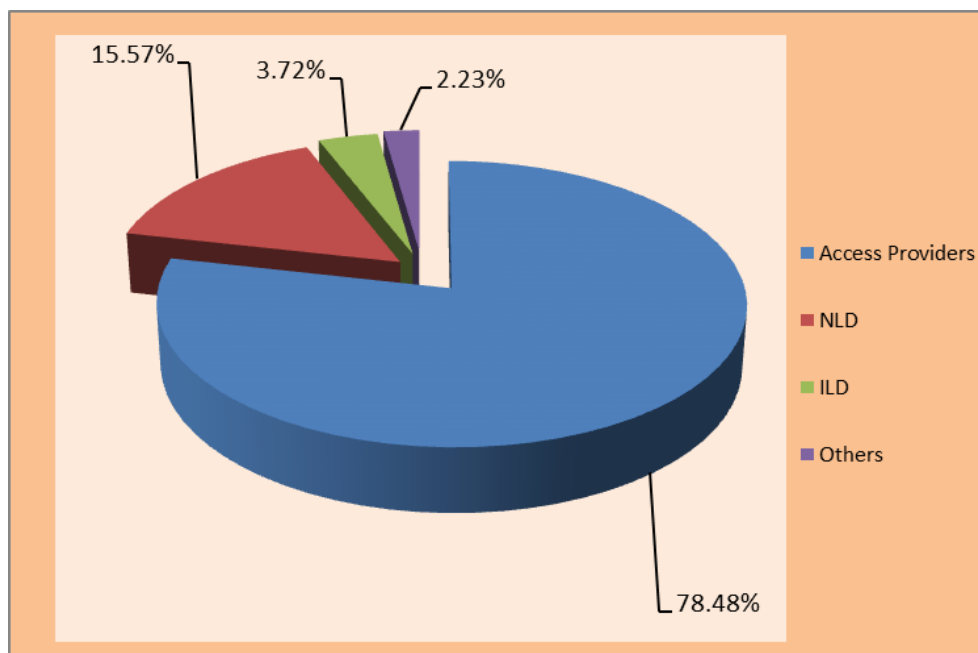
Particulars	QE Jun-13 (₹ in Crore)	QE Mar-14 (₹ in Crore)	QE Jun-14 (₹ in Crore)	Q-O-Q % Change Over Mar-14	Y-O-Y % Change over Jun-13
Gross Revenue (GR)	57261	60716	62919	3.63	9.88
Adjusted Gross Revenue (AGR)	38640	41016	43852	6.91	13.49
Pass Through (GR-AGR)	18621	19700	19067	-3.21	2.40
License Fee	3092	3286	3503	6.62	13.30
Spectrum Usage Charges	1470	1583	1720	8.63	17.02

- 3.1 Gross Revenue(GR) and Adjusted Gross Revenue(AGR) increased by 3.63% and 6.91% respectively in the QE Jun-14.
- 3.2 Pass through declined by 3.21% in the QE Jun-14, whereas on annual basis it has increased by 2.40%.
- 3.3 Pass-through charges as % Gross Revenue: 30.30% in QE Jun-14 as against 32.45% 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	47345	34417	2752	1716
NLD	8906	6828	547	-
ILD	3576	1630	129	-
Others	3092	977	75	4
Total	62919	43852	3503	1720

Chart 3.1: Composition of Adjusted Gross Revenue



3.4 Access services contributed 78.48% 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 increased by 4.64%, 7.81%, 7.62% and 8.61% respectively, whereas Pass Through Charges decreased by 2.96% in QE Jun-14.

3.5 Public Sector Undertakings' share in the Access AGR of telecom services is 11.14% in the QE Jun-14.

3.6 Monthly ARPU based on AGR for Access services increased from ₹115.28 for Q.E. Mar-14 to ₹122.39 for Q.E. Jun-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	QE Jun-14	QE Mar-14	% Change
Bharti	10075.00	9174.97	9.81%
Vodafone	7395.76	6886.81	7.39%
Idea	5599.15	5080.42	10.21%
BSNL	3177.77	3387.07	-6.18%
Tata	2441.84	2010.85	21.43%
Reliance	2202.89	2034.65	8.27%
Aircel	1822.81	1699.80	7.24%
MTNL	654.55	672.05	-2.60%
Telewings	654.18	604.18	8.27%
Sistema Shyam	252.93	200.97	25.85%
Loop	73.00	89.42	-18.37%
Quadrant	25.25	24.15	4.57%
Videocon	41.41	57.05	-27.42%
Grand Total (Access)	34416.53	31922.39	7.81%

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

Category	Access AGR for QE Jun-14 (₹ in Crore)	%age share of AGR
Metro	5261.70	15.29
A	13136.40	38.17
B	11806.49	34.30
C	4211.94	12.24
Total	34416.53	100.00

Notes :

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

Chapter 4 : Quality of Service (QoS)

Section A: Quality of Service Performance of Wireless Service Providers

Part-I : 2G Wireless Services

Table 4.1: QoS Summary - 2G Wireless Service

Sl. No.	Parameters	Benchmark	No. of CMTS Licensees not Meeting the Benchmarks			
			Quarter Ending March, 2014		Quarter Ending June, 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%	5	2.73%	8	4.37%
(ii)	Worst affected BTSS due to downtime	≤ 2%	8	4.37%	13	7.10%
2	Connection Establishment (Accessibility)					
(i)	Call Set-up Success Rate (within licensee's own network)	≥ 95%	2	1.09%	4	2.19%
(ii)	SDCCH/ Paging Chl. Congestion	≤ 1%	1	0.55%	8	4.37%
(iii)	TCH Congestion	≤ 2%	2	1.09%	5	2.73%
3	Connection Maintenance (Retain ability)					
(i)	Call Drop Rate	≤ 2%	3	1.64%	6	3.28%
(ii)	Worst affected cells having more than 3% TCH drop (call drop) rate	≤ 3%	11	6.01%	24	13.11%
(iii)	Connection with good voice quality	≥ 95%	10	5.46%	9	4.92%
4	Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark) (Averaged over a period of quarter)	≤ 0.5%	1	0.55%	5	2.73%

S. No.	Parameters	Benchmark	No. of CMTS Licensees not Meeting the Benchmarks			
			Quarter Ending, March, 2014		Quarter Ending, June, 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%	5	2.73%	6	3.28%
(ii)	Metering and billing credibility - pre paid	≤ 0.1%	5	2.73%	5	2.73%
(iii)	Resolution of billing/charging/validity complaints	100% within 4 weeks	2	1.09%	19	10.38%
(iv)	Period of applying credit/waiver/ adjustment to customer's account from the date of resolution of complaints	within 1 week of resolution of complaint	3	1.64%	21	11.48%
6	Response time to the customer for assistance					
(i)	Accessibility of call centre/ customer care	≥ 95%	14	7.65%	12	6.56%
(ii)	%age of calls answered by the operators (voice to voice) within 60 seconds	≥ 90%	51	27.87%	70	38.25%
7	Termination / closure of service					
(i)	%age requests for Termination / Closure of service complied within 7 days	100% within 7 days	6	3.28%	18	9.84%
(ii)	Time taken for refund of deposits after closures	100% within 60 days	9	4.92%	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. Connection with good voice quality
- b. Accessibility of call centre/ customer care

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. Call Set-up Success Rate (within licensee's own network)
- c. TCH Congestion
- d. Call Drop Rate
- e. Worst affected cells having more than 3% TCH drop (call drop) rate
- f. Metering and billing credibility - post paid
- g. Resolution of billing/ charging/ validity complaints.
- h. Period of applying credit/waiver/adjustment to customer's account from the date of resolution of complaints
- i. %age of calls answered by the operators (voice to voice) within 60 sec
- j. %age requests for Termination / Closure of service complied within 7 days.
- k. Time taken for refund of deposits after closures.

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	6.28
			BH	5.02
			NE	10.15
		BSNL	ASM	2.60
			BH	6.62
			NE	5.07
		MTNL CDMA	WB	2.95
Worst affected BTSs due to downtime (%age)	≤ 2%	Aircel	DLI	NR
			ASM	34.57
			BH	28.72
			CHN	2.42
			DLI	2.88
			HR	2.38
			J&K	6.89
		NE	57.74	
		BSNL	UPE	2.50
			ASM	5.23
			BH	13.67
			NE	14.91
		MTNL CDMA	WB	13.52
		Call Set-up Success Rate (within licensee's own network)	≥ 95%	Aircel
BH	94.65			
BSNL	NE			93.11
	NE			94.69
SDCCH/ Paging Chl. Congestion (%age)	≤ 1%	Aircel	DLI	NR
			ASM	1.28
			BH	1.11
			DLI	1.38
		BSNL	NE	3.39
			UPE	1.31
		MTNL CDMA	ASM	1.07
TCH Congestion (%age)	≤ 2%	Aircel	NE	3.44
			DLI	NR
			ASM	3.04
		BSNL	BH	4.87
			NE	4.79
MTNL CDMA	NE	4.57		
		DLI	NR	

Call Drop Rate (%age)	$\leq 2\%$	Aircel	HR	9.58
			NE	2.89
		BSNL	ASM	2.37
			BH	2.75
		NE	4.04	
MTNL CDMA	DLI	NR		
Worst affected cells having more than 3% TCH drop	$\leq 3\%$	Aircel	AP	4.23
			ASM	14.86
			BH	7.12
			DLI	7.02
			GUJ	3.34
			HP	8.78
			J&K	11.39
			KTK	6.16
			MBI	5.17
			NE	28.59
			PB	4.48
			TN	3.54
			UPE	3.59
		UPW	5.08	
		BSNL	ASM	5.50
			BH	8.42
			NE	11.80
			PB	18.43
			WB	7.07
		MTNL CDMA	DLI	NR
TATA CDMA	KTK	3.39		
TATA GSM	UPE	3.18		
Vodafone	MP	3.20		
	OR	3.82		
Connection with good voice quality	$\geq 95\%$	Aircel	ASM	91.79
			J&K	94.02
			NE	92.47
		BSNL	ASM	93.93
			NE	93.28
		MTNL CDMA	DLI	NR
		Telewings	BH	93.78
			UPE	93.21
UPW	94.75			
Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark)	$\leq 0.5\%$	Aircel	CHN	1
			KTK	1
		MTNL CDMA	DLI	NR
		TATA GSM	PB	1
		Vodafone	UPE	1
Metering and billing credibility - post paid	$\leq 0.1\%$	Idea	AP	0.12
			UPE	0.11
		MTNL CDMA	DLI	NR
			MUM	NR

		Vodafone	ASM	0.30
			NE	0.25
Metering and billing credibility - pre paid	≤ 0.1%	Aircel	KOL	0.16
			WB	0.24
		BSNL	KOL	0.33
			WB	0.20
		MTNL CDMA	MUM	NR
Resolution of billing/charging/validity complaints	100% within 4 weeks	Airtel	KTK	99.97
		BSNL	KOL	64.97
			WB	85.00
		MTNL CDMA	MUM	NR
		TATA CDMA	BH	98.56
			DLI	99.93
			KOL	96.67
			MUM	99.30
		TATA GSM	RAJ	99.20
			GUJ	99.25
			HR	99.93
			KTK	99.62
			KR	99.66
			KOL	98.75
			MH	99.34
			MUM	99.81
		PB	99.96	
TN	99.66			
UPE	99.66			
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	DLI	99.94
		BSNL	KOL	71.00
			PB	NR
		MTNL CDMA	MUM	NR
		TATA GSM	GUJ	99.94
			HR	99.94
			HP	99.94
			KTK	99.94
			KR	99.94
			KOL	99.17
			MP	99.94
			MH	99.94
			MUM	99.94
			OR	99.94
			PB	99.94
			RAJ	99.94
			TN	99.94
UPE	99.94			
UPW	99.94			
WB	99.94			
Vodafone	CHN	99.85		

Accessibility of call centre/ customer care	≥ 95%	Aircel	BH	69.41
			J&K	89.19
			KOL	94.15
			OR	70.84
			UPE	78.06
		Airtel	ASM	82.00
		BSNL	ASM	77.00
			BH	90.50
			KOL	79.00
			NE	87.00
		MTNL CDMA	MUM	NR
		MTNL GSM	MUM	NR
Percentage of calls answered by the operators (voice to voice) within 60 seconds	≥ 90%	Aircel	AP	89.01
			CHN	87.26
			KTK	86.76
			KOL	79.76
			TN	88.90
			WB	89.10
		Airtel	AP	87.00
			ASM	89.00
			BH	86.00
			CHN	84.00
			DLI	73.00
			KTK	89.00
			KR	86.00
			KOL	87.00
			MBI	88.00
			NE	71.00
			OR	83.00
			TN	84.00
		UPW	85.00	
		BSNL	HR	26.00
			HP	3.70
			J&K	11.79
			KR	80.20
			KOL	69.68
			MH	65.74
			PB	3.00
			TN	78.50
			UPW	40.89
		WB	81.40	
		MTNL CDMA	MBI	NR
		MTS	KTK	43.57
		RCOM CDMA	AP	63.23
			BH	34.25
			CHN	71.67
			GUJ	42.77
		KTK	56.50	

Percentage of calls answered by the operators (voice to voice) within 60 seconds	≥ 90%		KR	74.41
			KOL	21.95
			MP	89.78
			MH	53.62
			MBI	43.06
			OR	89.07
			TN	71.67
			WB	21.95
		RCOM GSM	AP	42.37
			DLI	73.03
			GUJ	43.84
			J&K	89.51
			KTK	47.33
			KR	64.73
			MH	40.07
			MBI	40.96
			PB	78.26
			TN	60.89
		RTL	ASM	86.91
			BH	72.59
			HP	82.29
			KOL	85.33
			OR	59.85
			WB	88.02
		TATA CDMA	TN	86.13
		TATA GSM	HR	79.37
			KR	78.08
KOL	86.52			
UPW	84.47			
WB	89.78			
Vodafone	BH	89.90		
	KTK	80.64		
	KOL	82.17		
	TN	83.99		
%age requests for Termination / Closure of service	100% within 7 days	Aircel	AP	99.60
			ASM	99.79
			CHN	99.96
			DLI	99.43
			J&K	99.80
			KTK	99.52
			MH	96.30
			OR	98.80
			TN	99.78
		Airtel	GUJ	99.47
			KTK	99.96
		BSNL	WB	95.03
		Idea	RAJ	99.94
			UPW	99.36
		MTNL CDMA	MUM	NR

		MTNL GSM	MUM	99.90
		TATA GSM	PB	99.96
		Vodafone	MP	99.50
Time taken for refund of deposits after closures	100% within 60 days	Aircel	BH	33.33
			KTK	61.88
			KOL	69.85
			MH	98.75
			MUM	97.12
			NE	92.47
			RAJ	99.84
		WB	75.00	
		MTNL CDMA	MUM	NR
		TATA CDMA	AP	99.82
			DLI	99.89
			GUJ	98.85
			MUM	99.32
		TATA GSM	MUM	99.38
			OR	99.54
PB	99.54			
RAJ	99.54			
TN	99.54			
UPE	99.54			
UPW	99.54			

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. Mar-14		Q.E. Jun-14	
				Out Of 93 (Nos.)	Out of 93 (in %)	Out Of 94 (Nos.)	Out of 94 (in %)
1	Network Availability	Node-B's Accumulated downtime (not available for service) (%age)	≤ 2%	2	2.15%	4	4.26%
		Worst affected Node-B's due to downtime (%age)	≤ 2%	6	6.45%	8	8.51%
2	Connection Establishment (Accessibility)	Call Set-up Success Rate (within licensee's own network)	≥ 95%	1	1.08%	2	2.13%
		SDCCH/Paging Channel and RRC Congestion (%age)	≤ 1%	0	0	3	3.19%
		TCH and Circuit Switched RAB Congestion (%age)	≤ 2%	0	0	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%	9	9.68%	13	13.83 %
		Connections with good voice quality and Circuit Switch Voice Quality (CSV quality)	≥ 95%	1	1.08%	1	1.06%
4	Point of Interconnection	Point of Interconnection (POI) Congestion	≤ 0.5%	1	1.08%	4	4.26%

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

- a. Connection with good voice quality and Circuit Switch Voice Quality (CSV Quality)

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. Call Set-up Success Rate (within licensee's own network)
- d. SDCCH/ Paging Channel and RRC Congestion (%age)
- e. TCH and Circuit Switched RAB Congestion (%age)
- f. Worst affected cells having more than 3% TCH drop (call drop) and Circuit Switched Voice Drop Rate:-CBBH
- g. Point of Interconnection (POI) Congestion

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)	$\leq 2\%$	Aircel	ASM	2.76
			NE	11.95
		BSNL	BH	2.93
			NE	3.43
Worst affected Node-B's due to downtime (%age)	$\leq 2\%$	Aircel	ASM	19.06
			BH	3.88
			CHN	6.13
			J&K	9.73
			NE	58.92
		BSNL	BH	2.88
			NE	9.20
Call Set-up Success Rate (within licensee's own network)	$\geq 95\%$	BSNL	NE	94.70
			WB	92.55
SDCCH/Paging Channel and RRC Congestion (%age)	$\leq 1\%$	Tata	MH	1.30
		Aircel	TN	1.18
		BSNL	NE	2.48
TCH and Circuit Switched RAB Congestion (%age)	$\leq 2\%$	BSNL	NE	3.00
Worst affected cells having more than 3% TCH drop (call drop) and Circuit Switched Voice Drop Rate:- CBBH	$\leq 3\%$	Aircel	AP	6.35
			ASM	14.59
			BH	12.03
			CHN	7.64
			J&K	12.37
			KTK	8.06
			NE	19.82
			OR	14.91
			PB	9.89
			TN	3.37
		UPE	5.54	
		BSNL	BH	3.22
NE	5.13			
Connections with good voice quality and Circuit Switch Voice Quality (CSV quality)	$\geq 95\%$	BSNL	ASM	93.93
Point of Interconnection (POI) Congestion	$\leq 0.5\%$	Aircel	CHN	1
			KTK	1
		Tata	PB	1
		Vodafone	UPE	1

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	Benchmark	No. of license operators not meeting the benchmarks			
			March, 2014		June, 2014	
			Out of 104 In Nos.	Out of 104 In %age	Out of 103 In Nos.	Out of 103 In %age
(i)	Fault incidences per 100 subs/month	≤ 5	1	0.96%	1	1%
(ii) a	% Fault repaired by next working day	≥ 90%	1	0.96%	1	1%
(ii) b	% Fault repaired within 3 days (for urban areas)	100%	2	1.92%	2	2%
(ii) c	% Fault repaired within 5 days (for rural & hilly areas)	100%	0	0.00%	0	0.00%
(iii)	MTTR	<8Hrs	0	0.00%	0	0.00%
(iv) a	Call Completion Rate (in local network)	≥ 55%	0	0.00%	0	0.00%
(iv) b	Answer to Seizure Ratio (ASR)	≥ 75 %	0	0.00%	0	0.00%
(v)	Point of Interconnection (POI) Congestion (No. of PoIs not meeting benchmark)	≤ 0.5%	0	0.00%	3	3%
(vi)	Metering & billing credibility <input type="checkbox"/> Post-paid	≤ 0.1%	2	1.92%	0	0.00%
(vii)	Metering & billing credibility <input type="checkbox"/> Pre-paid	≤ 0.1%	0	0.00%	0	0.00%
(viii)	Resolution of billing/charging/ Credit & validity complaints	100% within 4 weeks	0	0.00%	0	0.00%
(ix)	Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of complaints	Within 1 week of resolution of complaint	0	0.00%	0	0.00%
(x)	Response time to the customer for assistance	-	-	-	-	-
(x) a	Accessibility of call centre/ customer care	≥ 95%	0	0.00%	18	17%

(x) b	%age of calls answered by the operators (voice to voice) within 60 seconds	≥ 90%	14.42%	30	29%	14.42%
(xi)	Termination / closure of service	100% within 7 days	0.96%	1	1%	0.96%
(xii)	Time taken for refund of deposits after closures	100% within 60 days	0.00%	0	0.00%	0.00%

NOTE : (1) As per “The Standards of Quality of Service of Basic Telephone Service (Wireline) and Cellular Mobile Telephone Service Regulations, 2009 “, the service providers who cannot measure and report Call Completion Rate (CCR) due to constraint in network architecture may opt to measure and report their performance on Answer to Seizure Ratio (ASR). M/s RCOM have reported the ASR for 20 licensed service areas and M/s MTNL for 1 licensed service areas. Therefore, 82 (because out of 83 service providers 01 licensee i.e. M/s Tata Teleservices Ltd. has not reported CCR for W.B.) Licensees for CCR and 21 Licensees for ASR have been taken into account for the analysis of these parameters.

(2) Most of the SPs have not reported for the parameter “Metering and billing credibility - 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. Metering and billing credibility - post paid ($\leq 0.1\%$)

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

a. Faults incidences (No. of faults/100 Subs./month)

b. % Fault repaired by next working day

c. % of fault repaired within 3 days

d. % of faults repaired within 5 days (for rural & hilly areas)

e. % of calls answered by the operators (voice to voice) within 60 sec

f. Point of Interconnection (POI) Congestion (No. of POIs not meeting benchmark)

g. Accessibility of Call Centre/Customer Care

h. %age requests for Termination / Closure of service complied within 7 days

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

Parameters and Benchmark	Service Providers	Service Area	Parameters not met
Faults incidences (No. of faults/100 Subs./month) Benchmark(≤5)	MTNL	DEL	7.57%
% of faults repaired by next working day Benchmark(≥ 90%)	MTNL	DEL	82.54%
% of faults repaired within 3 days Benchmark (For urban areas: 100%)	MTNL	DL	90.75%
		MUM	97.53%
Percentage of calls answered by the operators (voice to voice) within 60 seconds (Benchmark≥ 90%)	BSNL	BH	37%
		CHH	64%
		GUJ	83%
		HP	89%
		J&K	84%
		KRK	65%
		PB	58%
		RAJ	18%
		UPE	6%
		UPW	82%
		UTTR	63%
Point of Interconnection (POI) Congestion (No. Of POIs not meeting the benchmarks≤ 0.5%	BSNL	BH	14%
		KER	15%
		MH	7%
%age requests for Termination / Closure of service complied within 7 days Benchmark (100%)	MTNL	MUM	98.54%
Response time to the customer for Assistance: Accessibility of call centre/ customer care≥ 95%	TATA Teleservices Ltd.	AP	91%
		BH	90%
		CN	92%
		DEL	93%
		GUJ	94%
		HR	92%
		KER	91%
		KOL	91%
		KTK	93%
		MH	79%
		MP	92%
MUM	90%		

Parameters and Benchmark	Service Providers	Service Area	Parameters not met
Response time to the customer for Assistance: Accessibility of call centre/ customer care \geq 95%	TATA Teleservices Ltd.	OR	92%
		PB	92%
		RAJ	92%
		TN	94%
		UPE	92%
		UPW	92%
Percentage of calls answered by the operators (voice to voice) within 60 seconds \geq 90%	TATA Teleservices Ltd.	AP	80%
		BH	80%
		CN	81%
		DEL	81%
		GUJ	84%
		HR	83%
		KER	79%
		KOL	77%
		KTK	81%
		MH	60%
		MP	81%
		MUM	73%
		OR	81%
		PB	81%
		RAJ	80%
		TN	87%
UPE	82%		
UPW	82%		

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 Out of 128 Broadband Service providers, 32 Service Providers are having subscriber base >10,000 and these 32 Service providers share the 99.00% of total subscriber base. This report covers performance of 32 broadband Service Providers vis-à-vis the QoS benchmarks prescribed by TRAI, for the QE June, 2014.

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

S. No.	Parameters	Benchmark	No. of Licensees not Meeting the Benchmarks			
			Quarter Ending, Mar-14		Quarter Ending, Jun-14	
			Out of 88 (in Nos.)	Out of 88 (in %age)	Out of 85 (in Nos.)	Out of 85 (in %age)
1	Service Provisioning/ Activation Time	100% in =< 15 working days				
1.2	%age of connections provided within 15 days of registration of demand	100%	10	11.36%	4	4.71%
2	Faults Repair/ Restoration Time					
2.2	% of faults repaired by next working day	>90%	5	5.68%	7	8.24%
2.3	% of faults repaired within 3 working day	=>99%	10	11.36%	14	16.47%
2.4	No. of customers to whom rent rebate is given in minimum monthly charges or equivalent usage allowance for delay in fault repair		1	1.14%	0	0.00%
3	Billing Performance					
3.3	%age of bills disputed	<2%	1	1.14%	1	1.18%
3.4	%age of complaints resolved within 4 weeks	100% within 4 weeks	2	2.27%	0	0.00%
3.5	%age of cases to whom refund of deposits is made within 60 days of closures	100% within 60 days	0	0.00%	0	0.00%

S. No.	Parameters	Benchmark	No. of Licensees not Meeting the Benchmarks			
			Quarter Ending, Mar-14		Quarter Ending Jun-14	
			Out of 88 (in Nos.)	Out of 88 (in %age)	Out of 85 (in Nos.)	Out of 85 (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%	3	3.41%	2	2.35%
4.3	%age of calls answered by operator (Voice to voice) within 90 sec	>80%	3	3.41%	25	29.41%
5	Bandwidth utilisation/ throughput			0.00%		0.00%
5.2	No. of Intra network links having Bandwidth utilisation >90% during peak hours (TCBH)		0	0.00%	0	0.00%
5.4	No. of Upstream links for International connectivity having bandwidth utilisation >90% during peak hours (TCBH)		0	0.00%	0	0.00%
5.7	% International bandwidth utilization during peak hours (TCBH) (Enclose MRTG)		0	0.00%	0	0.00%
5.8	Broadband Connection Speed available (download) from ISP node to user	>80%	1	1.14%	0	0.00%
6	Service Availability/Uptime (for all users) in %age	>98% w.e.f. Q. E. Sept.07				
6.3	Service availability /uptime (for all users) in %age	>98%	2	2.27%	2	2.35%
7	Packet loss (for wired broadband access) in %age	<1%	3	3.41%	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	2	2.27%	0	0.00%
8.2	User reference point at ISP Gateway node to International nearest NAP port abroad (terrestrial)	<350 ms	2	2.27%	0	0.00%
8.3	User reference point at ISP Gateway node to International nearest NAP port abroad (satellite)	<800 ms	0	0.00%	1	1.18%

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

Sl.No.	Parameters	Benchmark	Name of the Service Providers 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 (98.46%) You Broadband - All India (97.00%) Hathway Cable - Gujarat (97.00%) Atria Convergence - All India (92.00%)
2	Faults Repair/ Restoration Time		
2.2	% of faults repaired by next working day	>90%	MTNL - Delhi & Mumbai (88.18%), Beam Telecom - Hyderabad (85.51%), Hathway - Andhra Pradesh (84.00%), Atria - All India (69.00%), Tata (TCL) - Himachal Pradesh (88.00%), Madhya Pradesh & Chattisgarh (89.00%), Bihar & Jharkhand (50.00%)
2.3	% of faults repaired within 3 working day	=>99%	MTNL -Delhi & Mumbai (94.96%), Beam Telecom - Hyderabad (97.67%), Hathway Cable - Gujarat (96.00%), Atria Convergence - All India (90.00%), Tata (TCL) - Assam (98.00%), Gujarat & Daman & Diu (98.00%), Himachal Pradesh (94.00%), Karnataka (98.00%), Kerala & Lakshadweep (98.00%), Maharashtra & Goa (97.00%), Mumbai (98.00%), Rajasthan (95.00%), UP(West) (97.00%), Bihar & Jharkhand (50.00%)
3	Billing Performance		
3.3	%age of bills disputed	<2%	Alliance Broadband - Kolkata (4.21%)
4	Response Time to the Customer for assistance		
4.2	%age of calls answered by operator (Voice to voice) within 60 sec	>60%	Beam Telecom -Hyderabad (42.00%), Atria - All India (50.00%)

Sl.No.	Parameters	Benchmark	Name of the Service Providers not meeting the Benchmark
4.3	%age of calls answered by operator (Voice to voice) within 90 sec	>80%	BSNL - All India (69.18%) Beam Telecom - Delhi & Mumbai (55.00%), Atria - All India (56.00%), Tata (TCL) - Andhra Pradesh (77.00%), Assam (77.00%), Delhi & NCR (77.00%), Gujarat & Daman & Diu (77.00%), Haryana (77.00%), Himachal Pradesh (77.00%), J&K (77.00%), Karnataka (77.00%), Kerala & Lakshdweep (77.00%), Kolkata (77.00%), Madhya Pradesh & Chattisgarh (77.00%), Maharashtra & Goa (77.00%), Mumbai (77.00%), North East (77.00%), Orissa (77.00%), Punjab (77.00%), Rajasthan (77.00%), Tamilnadu & Pondicherry (77.00%), UP(East) (77.00%), UP(West) (77.00%), West Bengal (77.00%) and Bihar & Jharkhand (77.00%)
6	Service Availability/Uptime (for all users) in %age		-
6.3	Service availability /uptime (for all users) in %age	>98%	Tata (TCL) - Kerala & Lakshadweep (97.04%), Maharashtra & Goa (97.65%)
8	Network latency (for wired broadband access)		
8.3	User reference point at ISP Gateway node to International nearest NAP port abroad (satellite)	<800 ms	Vasai Cable - Mumbai (NR)

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 Mar-14	QE Jun-14
1	Number of private satellite TV channels registered with Ministry of I&B	793	797
2	Maximum number of Pay TV Channels carried by certain cable operator in non-CAS areas	185	184
3	Maximum number of Free-to-Air (FTA) TV Channels carried by certain cable operator in non-CAS areas	187	186
4	Private FM Radio stations in operation	242	243
5	Private DTH Operators	6	6
6	Licensees of community radio stations	200	200
7	Operational community radio station	170	170

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 386, 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 186, 184 and 16 respectively in the quarter ending June 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 30.06.2013. The cut-off date for third phase is 30.09.2014 and final phase is 31.12.2014.

5.4 There are total 102 Multi System Operators (MSOs) as on 30th June, 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 102 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 797 at the quarter ending Jun-14.

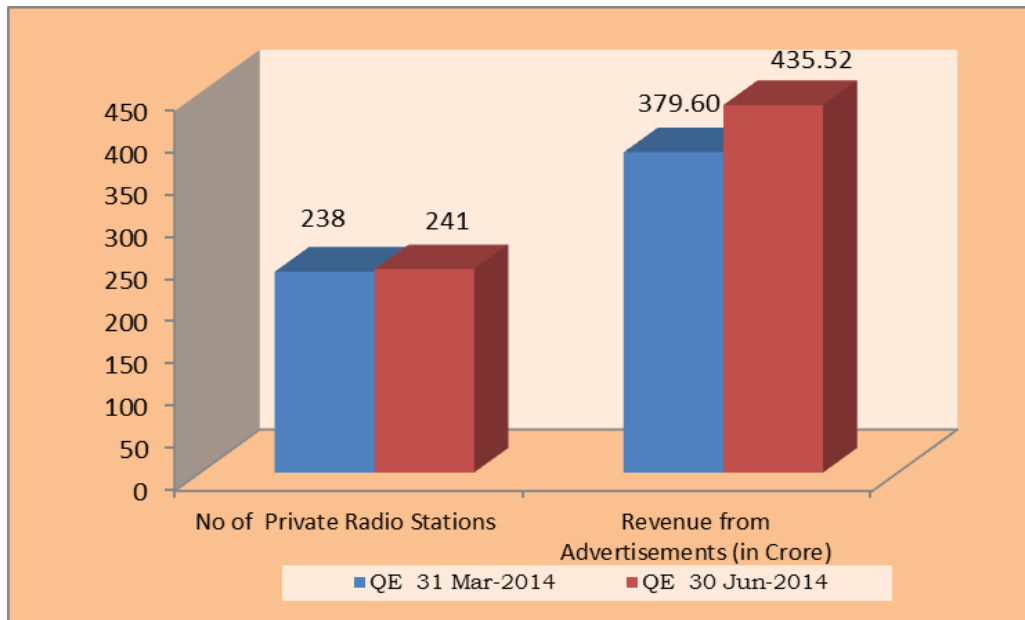
5.6 There are a total of 186 pay channels, as reported by broadcasters for which the wholesale channels rates have been taken on record. During the quarter ending Jun-14, the distribution of “Fox Sports News” channel was discontinued by the broadcaster. The list of 186 pay TV channels along with the 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 Jun-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 Mar-14 in respect of 238 private FM Radio stations was Rs. 379.60 crores. For the quarter ending Jun-14, the total Advertisement Revenue in respect of 241 private radio stations is Rs.435.52 crores. 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



DTH Services

5.9 No new DTH license was issued during the quarter ending Jun-14. 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 30.06.2014, are 67.57 million & 38.24 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 June, 2014, out of 200 licenses issues so far, 170 CRS stations are in operation. The status of applications for community radio station licenses as received from the Ministry of Information and Broadcasting upto the end of June, 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 30.06.2014
Total No. of Applications Received	1373
No of Letters of Intent Issued	473
No of Applications rejected	616
No of Licenses issued	200
No of stations operational	170

Source: Ministry of Information & Broadcasting

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 except KTK & Punjab (20)	Mumbai, TN incl. Chennai, Kol, WB, Bihar, OR, Assam, NE & J&K	Delhi, MH, Guj., AP, Kerala, Haryana, UP-W, UP-E, Raj., MP, HP
8	Shyam Telelink	Delhi, Kol, Guj, KTK, TN incl. Chennai, Kerala, UP-W, Raj, WB (9)	All	
9	BSNL	All India (except Delhi & Mumbai) 20		All
10	MTNL	Delhi, Mumbai (2)		All
11	Loop Telecom Private Ltd	Mumbai (1)		Mumbai
12	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	Spice Communications	KTK, Punjab (2)	All	
15	Quadrant	Punjab (1)	Punjab	

Source: DoT and Service providers

UASLs	118
UL(AS)	27
CMTSs	37
Total	182

Annexure 1.2: Wireless Subscriber Base

Service Area	Vodafone (GSM)		Bharti (GSM)		Idea (GSM)		Aircel/Dishnet (GSM)		Reliance (GSM)		Reliance (CDMA)	
	Mar-14	Jun-14	Mar-14	Jun-14	Mar-14	Jun-14	Mar-14	Jun-14	Mar-14	Jun-14	Mar-14	Jun-14
Andhra Pradesh	6,308,455	6,268,583	19,996,431	20,307,671	12,340,487	12,484,011	2,010,488	2,077,121	3,298,141	2,954,221	2,234,224	2,039,541
Assam	2,825,144	2,907,768	4,533,314	4,668,494	605,830	624,222	3,754,874	3,858,881	2,278,177	2,197,040		
Bihar	7,261,299	7,649,524	22,105,299	22,587,743	6,749,494	6,982,762	5,284,236	5,336,519	6,492,373	6,681,428	2,561,159	2,559,488
Delhi	9,186,316	9,112,237	10,196,185	10,433,741	5,552,984	5,526,170	3,837,083	4,140,021	4,637,066	4,844,721	3,039,921	2,975,760
Gujarat	17,224,139	17,472,490	7,403,781	7,421,271	9,328,695	9,664,498	28,563	22,063	4,869,552	4,759,552	1,328,060	1,289,809
Haryana	4,973,304	4,966,708	2,435,772	2,427,997	4,256,538	4,228,001	11,092	4,092	1,714,295	1,499,277	450,866	402,713
Himachal Pradesh	537,630	567,694	2,205,078	2,270,981	549,461	592,136	829,083	830,600	1,245,333	1,277,633	195,048	178,247
Jammu & Kashmir	768,205	838,072	2,650,148	2,772,593	358,893	398,847	2,119,328	2,204,302	770,622	750,856	47	27
Karnataka	7,217,081	7,275,039	17,156,115	17,475,084	6,761,110	6,907,472	2,539,899	2,682,547	4,266,696	3,909,797	1,411,425	1,325,253
Kerala	6,660,168	6,759,648	3,736,971	3,773,396	8,726,254	8,978,257	918	918	981,353	857,836	981,446	969,275
Madhya Pradesh	4,923,396	4,848,870	10,656,657	10,802,943	17,416,844	18,154,386	22,694	22,694	9,327,567	9,449,536	2,252,166	2,173,859
Maharashtra	15,519,814	15,721,486	10,678,689	10,587,225	18,934,049	19,317,864	1,452,847	1,582,452	5,226,073	5,074,338	1,859,242	1,797,732
Mumbai	7,521,328	7,652,973	4,447,852	4,503,271	3,391,442	3,455,898	2,009,671	2,154,545	3,054,533	3,014,188	3,026,618	2,952,918
North East	1,177,134	1,197,676	3,124,047	3,172,049	367,005	360,806	2,351,888	2,425,958	869,231	842,966		
Orissa	3,431,482	3,508,360	7,911,114	8,149,567	1,153,283	1,132,852	3,623,866	3,750,790	3,272,733	3,278,290	314,393	298,830
Punjab	4,712,107	4,705,952	7,548,696	7,554,552	5,916,744	5,908,878	917,796	957,827	2,530,769	2,397,191	344,313	318,026
Rajasthan	10,018,392	10,331,785	15,893,169	16,185,331	6,062,139	6,185,052	4,606,045	4,933,132	4,825,275	4,918,324	1,008,262	956,292
Tamil Nadu (incl. Chennai)	13,132,243	13,333,533	14,542,201	14,825,189	2,799,139	2,997,295	22,705,354	23,128,580	3,727,903	3,815,621	1,922,584	1,880,685
UP(E)	15,693,822	16,468,149	16,832,395	17,515,960	8,100,053	8,382,457	5,187,672	5,513,118	5,558,801	5,164,522	2,606,165	2,597,776
UP(W)	9,872,358	10,001,288	6,978,121	7,097,427	11,881,831	11,964,658	109,150	109,150	4,270,870	3,983,864	1,400,336	1,335,215
Kolkata	4,687,679	4,774,516	3,889,640	3,917,471	1,356,808	1,379,890	2,992,857	3,252,443	2,587,345	2,699,436	1,106,995	1,081,968
West Bengal	12,909,490	13,535,248	10,467,228	10,799,306	3,179,103	3,384,540	3,756,304	4,083,779	6,138,000	6,470,271	907,183	875,424
Total	166,560,986	169,897,599	205,388,903	209,249,262	135,788,186	139,010,952	70,151,708	73,071,532	81,942,708	80,840,908	28,950,453	28,008,838

Annexure 1.2 (contd.)

Service Area	Tata (GSM)		Tata (CDMA)		BSNL (GSM)		BSNL (CDMA)		MTNL (GSM)		MTNL (CDMA)	
	Mar-14	Jun-14	Mar-14	Jun-14	Mar-14	Jun-14	Mar-14	Jun-14	Mar-14	Jun-14	Mar-14	Jun-14
Andhra Pradesh	4,848,957	4,632,572	1,572,783	1,541,490	9,845,939	9,860,488	73,592	68,240				
Assam					1,184,703	1,213,493	96,166	96,301				
Bihar	1,848,531	1,804,029	933,516	823,778	3,040,713	2,963,391	205,294	205,474				
Delhi			2,915,649	2,882,399					2,271,638	2,282,795	36,093	22,997
Gujarat	2,462,262	2,535,016	498,030	475,651	4,037,563	3,164,587	100,338	90,226				
Haryana	1,902,766	1,937,173	672,935	624,098	3,315,038	3,176,714	16,588	14,999				
Himachal Pradesh	61,229	58,832	63,250	62,612	1,383,445	1,385,966	50,157	48,634				
Jammu & Kashmir					1,207,895	1,229,625	63,248	60,918				
Karnataka	5,222,865	5,489,757	605,876	587,815	7,213,637	6,930,808	136,535	130,739				
Kerala	1,459,201	1,475,425	224,414	210,096	7,684,275	6,979,816	266,875	264,906				
Madhya Pradesh	3,478,640	3,682,323	607,681	599,278	4,769,423	3,682,450	179,217	170,207				
Maharashtra	3,743,449	3,707,757	2,582,867	2,530,790	6,460,150	5,544,785	123,296	115,328				
Mumbai	2,211,762	2,177,572	1,260,400	1,259,468					973,451	993,418	91,154	67,094
North East					1,367,785	1,407,410	154,052	141,509				
Orissa	1,864,421	1,949,393	220,603	204,416	3,277,534	3,317,259	56,144	53,897				
Punjab	1,629,304	1,648,149	802,665	731,841	4,597,238	3,588,088	31,845	30,743				
Rajasthan	745,768	705,686	1,300,121	1,239,399	5,902,115	5,889,737	152,805	149,661				
Tamil Nadu (incl. Chennai)	5,139,144	5,232,940	351,651	332,333	9,735,570	9,813,076	92,481	87,467				
UP(E)	3,465,480	3,581,111	629,881	621,186	10,163,466	10,120,428	272,774	271,183				
UP(W)	2,781,652	2,840,429	809,709	756,671	4,393,836	4,255,009	86,445	82,621				
Kolkata	2,366,643	2,323,934	542,316	526,978	839,852	821,986	20,851	20,348				
West Bengal	1,031,297	952,617	142,014	124,498	1,980,225	1,955,592	70,340	69,263				
Total	46,263,371	46,734,715	16,736,361	16,134,797	92,400,402	87,300,708	2,249,043	2,172,664	3,245,089	3,276,213	127,247	90,091

Annexure 1.2 (contd.)

Service Area	Sistema (CDMA)		Quadrant (HFCL) (GSM)		Quadrant (HFCL) (CDMA)		Loop (GSM)		Telewings (GSM)		Videocon (GSM)		Total		Net Additions
	Mar-14	Jun-14	Mar-14	Jun-14	Mar-14	Jun-14	Mar-14	Jun-14	Mar-14	Jun-14	Mar-14	Jun-14	Mar-14	Jun-14	
Andhra Pradesh									4,620,648	5,051,185			67,150,145	67,285,123	134,978
Assam													15,278,208	15,566,199	287,991
Bihar									5,103,486	5,575,453			61,585,400	63,169,589	1,584,189
Delhi	911,914	986,323											42,584,849	43,207,164	622,315
Gujarat	167,580	175,964							5,450,402	6,160,544	1,638,484	1,890,331	54,537,449	55,122,002	584,553
Haryana											1,502,201	1,583,100	21,251,395	20,864,872	(386,523)
Himachal Pradesh													7,119,714	7,273,335	153,621
Jammu & Kashmir													7,938,386	8,255,240	316,854
Karnataka	1,788,524	1,774,037											54,319,763	54,488,348	168,585
Kerala	398,397	401,735											31,120,272	30,671,308	(448,964)
Madhya Pradesh											1,846,634	2,076,794	55,480,919	55,663,340	182,421
Maharashtra									6,013,176	6,776,376			72,593,652	72,756,133	162,481
Mumbai							2,896,281	2,838,158					30,884,492	31,069,503	185,011
North East													9,411,142	9,548,374	137,232
Orissa													25,125,573	25,643,654	518,081
Punjab			2,175,701	2,278,671	2,605	2,295							31,209,783	30,122,213	(1,087,570)
Rajasthan	2,131,379	2,157,342											52,645,470	53,651,741	1,006,271
Tamil Nadu (incl. Chennai)	1,026,197	1,020,572											75,174,467	76,467,291	1,292,824
UP(E)									8,470,515	9,195,375			76,981,024	79,431,265	2,450,241
UP(W)	223,779	212,058							5,948,152	6,554,566			48,756,239	49,192,956	436,717
Kolkata	679,438	672,723											21,070,424	21,471,693	401,269
West Bengal	1,709,833	1,752,617											42,291,017	44,003,155	1,712,138
Total	9,037,041	9,153,371	2,175,701	2,278,671	2,605	2,295	2,896,281	2,838,158	35,606,379	39,313,499	4,987,319	5,550,225	904,509,783	914,924,498	10,414,715

Annexure 1.3: Wireline Subscriber Base

Sl. No	Service Area	Bharti		Reliance		Quadrant (HFCL)		Sistema		Tata	
		Mar-14	Jun-14	Mar-14	Jun-14	Mar-14	Jun-14	Mar-14	Jun-14	Mar-14	Jun-14
1	Andhra Pradesh	124,186	123,732	87,540	85,360	-	-	-	-	167,433	167,620
2	Assam					-	-	-	-		
3	Bihar			5,967	5,925	-	-	-	-	11,509	11,791
4	Delhi	1,193,992	1,195,744	184,416	182,301	-	-	-	-	107,129	109,158
5	Gujarat	57,703	58,116	94,892	91,430	-	-	-	-	76,052	76,996
6	Haryana	16,467	16,443	5,787	5,206	-	-	-	-	25,551	28,123
7	Himachal Pradesh			4,856	4,849	-	-	-	-	2,536	2,514
8	Jammu & Kashmir					-	-	-	-		
9	Karnataka	494,606	495,329	119,169	119,957	-	-	-	-	163,213	167,400
10	Kerala	48,687	48,371	51,375	48,612	-	-	-	-	12,732	13,310
11	Madhya Pradesh	226,758	226,465	24,188	22,182	-	-	-	-	18,695	19,010
12	Maharashtra	70,273	69,245	97,569	93,314	-	-	-	-	255,854	261,089
13	Mumbai	355,503	350,285	235,151	235,650	-	-	-	-	523,926	523,995
14	North East					-	-	-	-		
15	Orissa			3,835	3,022	-	-	-	-	7,295	7,467
16	Punjab	92,139	91,633	22,923	21,484	212,549	216,315	-	-	17,535	17,176
17	Rajasthan	37,588	38,402	23,208	22,105	-	-	55,213	55,988	8,687	8,916
18	Tamil Nadu (incl. Chennai)	460,716	458,624	147,313	144,372	-	-	-	-	82,640	85,242
19	U.P.(E)	51,754	52,107	40,976	38,703	-	-	-	-	14,621	15,040
20	U.P.(W)	21,321	20,703	6,183	6,398	-	-	-	-	9,150	9,576
21	Kolkata	104,448	104,767	82,177	80,731	-	-	-	-	41,306	42,682
22	West Bengal			2,197	1,910	-	-	-	-	3,784	3,632
	Total	3,356,141	3,349,966	1,239,722	1,213,511	212,549	216,315	55,213	55,988	1,549,648	1,570,737

Annexure 1.3 (contd.)

Service Area	MTNL		BSNL		Vodafone		Total		Net Additions
	Mar-14	Jun-14	Mar-14	Jun-14	Mar-14	Jun-14	Mar-14	Jun-14	
Andhra Pradesh	-	-	1,657,496	1,615,613	7,650	8,190	2,044,305	2,000,515	-43,790
Assam	-	-	182,904	181,234	1,080	1,110	183,984	182,344	-1,640
Bihar	-	-	363,665	361,890	450	510	381,591	380,116	-1,475
Delhi	1,601,739	1,602,887			16,710	17,760	3,103,986	3,107,850	3,864
Gujarat	-	-	1,459,828	1,419,144	1,590	1,530	1,690,065	1,647,216	-42,849
Haryana	-	-	452,043	439,872	60	60	499,908	489,704	-10,204
Himachal Pradesh	-	-	246,352	239,288			253,744	246,651	-7,093
Jammu & Kashmir	-	-	186,655	182,678			186,655	182,678	-3,977
Karnataka	-	-	1,535,931	1,486,663	5,160	5,490	2,318,079	2,274,839	-43,240
Kerala	-	-	2,773,148	2,730,542		390	2,885,942	2,841,225	-44,717
Madhya Pradesh	-	-	833,717	830,903	180	180	1,103,538	1,098,740	-4,798
Maharashtra	-	-	1,882,033	1,836,789	4,050	8,670	2,309,779	2,269,107	-40,672
Mumbai	1,940,336	1,926,005			9,060	9,510	3,063,976	3,045,445	-18,531
North East	-	-	139,877	133,017	60	60	139,937	133,077	-6,860
Orissa	-	-	335,875	330,073	450	480	347,455	341,042	-6,413
Punjab	-	-	876,585	843,787	360	360	1,222,091	1,190,755	-31,336
Rajasthan	-	-	798,265	774,308	1,350	1,500	924,311	901,219	-23,092
Tamil Nadu (incl. Chennai)	-	-	2,218,136	2,175,940	4,380	4,830	2,913,185	2,869,008	-44,177
U.P.(E)	-	-	693,951	643,829	690	720	801,992	750,399	-51,593
U.P.(W)	-	-	504,292	488,665	270	270	541,216	525,612	-15,604
Kolkata	-	-	847,254	828,191	1,770	1,860	1,076,955	1,058,231	-18,724
West Bengal	-	-	500,140	484,277	30	30	506,151	489,849	-16,302
Total	3,542,075	3,528,892	18,488,147	18,026,703	55,350	63,510	28,498,845	28,025,622	-473,223

Annexure 1.4: Service Area and Operator wise details of PCOs

S.No.	Name of the Circle/Service Area	Service Provider	Number of PCOs as on 31.03.14	Number of PCOs as on 30.06.14	Net PCO increase/ decrease as on 30.06.14	Percentage Growth/ Decline as on 30.06.14
1	Andhra Pradesh (Including Telengana)	BSNL	63,149	59,831	-3,318	-5.55%
		Bharti	220	207	-13	-6.28%
		TTL	8,969	7,906	-1,063	-13.45%
		RCL	22,218	19,615	-2,603	-13.27%
	Andhra Pradesh	BSNL	63,149	59,831	-3,318	-5.55%
		Bharti	220	207	-13	-6.28%
		TTL	8,969	7,906	-1,063	-13.45%
		RCL	22,218	19,615	-2,603	-13.27%
	Telengana	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	11,207	10,846	-361	-3.33%
3	Bihar (Including Jharkhand)	BSNL	8,099	8,257	158	1.91%
		TTL	306	239	-67	-28.03%
		RCL	911	792	-119	-15.03%
	Bihar	BSNL	2,941	2,941	0	0.00%
		TTL	306	239	-67	-28.03%
		RCL	911	792	-119	-15.03%
	Jharkhand	BSNL	5,158	5,316	158	2.97%
		TTL	0	0	0	0.00%
		RCL	0	0	0	0.00%
4	Delhi	MTNL	57,270	57,003	-267	-0.47%
		Bharti	1,661	1,429	-232	-16.24%
		TTL	4,526	4,078	-448	-10.99%
		RCL	854	751	-103	-13.72%
5	Gujarat	BSNL	33,460	32,666	-794	-2.43%
		Bharti	18	16	-2	-12.50%
		TTL	5,850	5,251	-599	-11.41%
		RCL	2,785	2,482	-303	-12.21%
6	Haryana	BSNL	7,698	7,328	-370	-5.05%
		Bharti	242	233	-9	-3.86%
		TTL	177	165	-12	-7.27%
		RCL	134	112	-22	-19.64%
7	Himachal Pradesh	BSNL	5,680	5,602	-78	-1.39%
		TTL	70	64	-6	-9.38%
		RCL	878	876	-2	-0.23%

Annexure 1.4 (Contd.)

S.No.	Name of the Circle/Service Area	Service Provider	Number of PCOs as on 31.03.14	Number of PCOs as on 30.06.14	Net PCO increase/ decrease as on 30.06.14	Percentage Growth/ Decline as on 30.06.14
8	Jammu & Kashmir	BSNL	6,249	6,022	-227	-3.77%
9	Karnataka	BSNL	92,441	87,781	-4,660	-5.31%
		Bharti	6,963	6,625	-338	-5.10%
		TTL	6,254	5,274	-980	-18.58%
		RCL	8,042	7,093	-949	-13.38%
10	Kerala	BSNL	36,363	35,202	-1,161	-3.30%
		Bharti	757	719	-38	-5.29%
		TTL	322	273	-49	-17.95%
		RCL	1,662	1,496	-166	-11.10%
11	Madhya Pradesh (Including Chattisgarh)	BSNL	30,971	30,839	-132	-0.43%
		Bharti	4,440	4,171	-269	-6.45%
		TTL	2,364	2,112	-252	-11.93%
		RCL	2,302	2,171	-131	-6.03%
	Madhya Pradesh	BSNL	28,296	28,252	-44	-0.16%
		Bharti	4,440	4,171	-269	-6.45%
		TTL	2,364	2,112	-252	-11.93%
		RCL	2,302	2,171	-131	-6.03%
	Chattisgarh	BSNL	2,675	2,587	-88	-3.40%
		Bharti	0	0	0	0.00%
		TTL	0	0	0	0.00%
		RCL	0	0	0	0.00%
12	Maharashtra (Including Mumbai & Goa)	BSNL	93,670	89,079	-4,591	-5.15%
		Bharti	48	42	-6	-14.29%
		MTNL	86,126	84,586	-1,540	-1.82%
		TTML	38,793	34,672	-4,121	-11.89%
		RCL	17,044	15,895	-1,149	-7.23%
	Maharashtra & Goa	BSNL	93,670	89,079	-4,591	-5.15%
		Bharti	4	1	-3	-300.00%
		MTNL	0	0	0	0.00%
		TTML	31,164	27,495	-3,669	-13.34%
		RCL	7,614	6,840	-774	-11.32%
	Mumbai	BSNL	0	0	0	0.00%
		Bharti	44	41	-3	-7.32%
		MTNL	86,126	84,586	-1,540	-1.82%
		TTML	7,629	7,177	-452	-6.30%
		RCL	9,430	9,055	-375	-4.14%

Annexure 1.4 (Contd.)

S.No.	Name of the Circle/Service Area	Service Provider	Number of PCOs as on 31.03.14	Number of PCOs as on 30.06.14	Net PCO increase/ decrease as on 30.06.14	Percentage Growth/ Decline as on 30.06.14
13	North East	BSNL	8,407	8,044	-363	-4.51%
14	Orissa	BSNL	7,585	7,462	-123	-1.65%
		TTL	399	340	-59	-17.35%
		RCL	218	195	-23	-11.79%
15	Punjab	BSNL	10,126	9,845	-281	-2.85%
		Bharti	186	169	-17	-10.06%
		Quardant	3,201	3,051	-150	-4.92%
		TTL	1,544	1,456	-88	-6.04%
		RCL	919	796	-123	-15.45%
16	Rajasthan	BSNL	15,552	14,652	-900	-6.14%
		Bharti	224	217	-7	-3.23%
		S.Shyam	12,113	12,914	801	6.20%
		TTL	749	610	-139	-22.79%
		RCL	1,589	1,390	-199	-14.32%
17	Tamilnadu (Including Chennai)	BSNL	1,00,599	98,770	-1,829	-1.85%
		Bharti	11,750	11,220	-530	-4.72%
		TTL	4,935	4,198	-737	-17.56%
		RCL	12,699	11,532	-1,167	-10.12%
	Tamilnadu	BSNL	85,935	84,325	-1,610	-1.91%
		Bharti	11,750	11,220	-530	-4.72%
		TTL	4,935	4,198	-737	-17.56%
		RCL	9,062	8,254	-808	-9.79%
	Chennai	BSNL	14,664	14,445	-219	-1.52%
		Bharti	0	0	0	0.00%
		TTL	0	0	0	0.00%
		RCL	3,637	3,278	-359	-10.95%
18	Uttar Pradesh (East)	BSNL	33,540	29,745	-3,795	-12.76%
		Bharti	225	209	-16	-7.66%
		TTL	519	509	-10	-1.96%
		RCL	1,051	901	-150	-16.65%
19	Uttar Pradesh - West (Including Uttarakhand)	BSNL	14,602	13,529	-1,073	-7.93%
		Bharti	203	181	-22	-12.15%
		TTL	1,037	984	-53	-5.39%
		RCL	773	658	-115	-17.48%

Annexure 1.4 (Contd.)

S.No.	Name of the Circle/Service Area	Service Provider	Number of PCOs as on 31.03.14	Number of PCOs as on 30.06.14	Net PCO increase/ decrease as on 30.06.14	Percentage Growth/ Decline as on 30.06.14
	Uttar Pradesh - West (excluding Uttarakhand)	BSNL	9,327	8,533	-794	-9.31%
		Bharti	203	181	-22	-12.15%
		TTL	1,037	984	-53	-5.39%
		RCL	773	658	-115	-17.48%
	Uttarakhand	BSNL	5,275	4,996	-279	-5.58%
		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	27,861	27,108	-753	-2.78%
		Bharti	0	0	0	0.00%
		TTL	673	493	-180	-36.51%
		RCL	1,270	1,116	-154	-13.80%
	West Bengal (excluding Andaman & Nicobar)	BSNL	27,647	26,938	-709	-2.63%
		Bharti	0	0	0	0.00%
		TTL	673	493	-180	-36.51%
		RCL	1,270	1,116	-154	-13.80%
	Andaman and Nicobar	BSNL	214	170	-44	-25.88%
		Bharti	0	0	0	0.00%
		TTL	0	0	0	0.00%
		RCL	0	0	0	0.00%
21	Kolkata	BSNL	7,865	7,655	-210	-2.74%
		Bharti	77	72	-5	-6.94%
		TTL	2,130	1,758	-372	-21.16%
		RCL	1,174	1,048	-126	-12.02%
Total			9,56,988	9,12,628	-44,360	-4.86%

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 31/03/14	Number of VPTs as on 30/06/14	Net VPT increase/decrease as on 30/06/14	Percentage Growth/Decline as on 30/06/14
1	Andhra Pradesh (Including Telengana)	BSNL	25,107	25,107	0	0.00%
		TTL	1,358	0	-1,358	0.00%
	Andhra Pradesh	BSNL	25,107	25,107	0	0.00%
		TTL	1,358	0	-1,358	0.00%
	Telengana	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	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	18,051	18,054	3	0.02%
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	6,385	0	0.00%
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	70,309	70,314	5	0.01%
	Madhya Pradesh	BSNL	51,986	51,986	0	0.00%
	Chattisgarh	BSNL	18,323	18,328	5	0.03%
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	2,595	1,786	-809	-45.30%
		RCL	0	0	0	0.00%
	Maharashtra & Goa	BSNL	40,654	40,654	0	0.00%
		Bharti	0	0	0	0.00%
		MTNL	0	0	0	0.00%
		TTML	2,595	1,786	-809	-45.30%
		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 31/03/14	Number of VPTs as on 30/06/14	Net VPT increase/decrease as on 30/06/14	Percentage Growth/Decline as on 30/06/14
	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	13,019	13,043	24	0.18%
14	Orissa	BSNL	45,215	45,215	0	0.00%
15	Punjab	BSNL	12,065	12,065	0	0.00%
		Quadrant	25	4	-21	-525.00%
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	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	39,075	39,088	13	0.03%
	Uttar Pradesh - West	BSNL	23,707	23,707	0	0.00%
	Uttarakhand	BSNL	15,368	15,381	13	0.08%
20	West Bengal (Including Andaman & Nicobar)	BSNL	36,877	37,309	432	1.16%
	West Bengal	BSNL	36,525	36,957	432	1.17%
	Andaman and Nicobar	BSNL	352	352	0	0.00%
21	Kolkata	BSNL	613	613	0	0.00%
	Total		5,88,912	5,87,201	-1,711	-0.29%

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

S.No.	Name of Service Provider	Narrowband (<512 Kbps)	Broadband (>= 512 Kbps)	Total
1	Bharti Airtel Ltd.	51149855	14763241	65913096
2	Vodafone Group	46854898	10303048	57157946
3	Bharat Sanchar Nigam Ltd.	22894462	18529397	41423859
4	Reliance Communications Group*	22678661	6114413	28793074
5	Idea Cellular*	19099401	8780528	27879929
6	Aircel Group	14984912	1845232	16830144
7	Telewings	7972538	0	7972538
8	Tata Group	160861	3008646	3169507
9	Loop	2690445	0	2690445
10	Mahanagar Telephone Nigam Ltd	330961	1477100	1808061
11	Sistema Shyam Group	32342	1382152	1414494
12	Videocon	912377	0	912377
13	Quadrant Televentures Ltd. (HFCL Infotel Ltd.)	364430	144569	508999
14	You Broadband India Pvt. Ltd.	15977	398192	414169
15	Beam Telecom Pvt. Ltd.	0	396839	396839
16	Hathway Cable & Datacom Pvt. Ltd.	9754	335351	345105
17	Tikona Group	3390	260894	264284
18	Asianet Satellite Communications Ltd.	0	125975	125975
19	Atria Convergence Technologies PvtLtd	0	112907	112907
20	D-Vois Broadband Private Limited	0	107763	107763
21	Syscon Infoway Pvt. Ltd.	17703	47795	65498
22	Five Network Solution (India) Ltd.	0	59158	59158
23	Ortel Communication Ltd.	6877	48984	55861
24	Gujarat Telelink Pvt. Ltd.	4643	50585	55228
25	Alliance Broadband Services Pvt. Ltd.	1233	48162	49395
26	Broadband Pacenet (I) Pvt. Ltd.	309	48262	48571
27	Siti Cable Network Ltd. (Wire and Wireless India Ltd.)	24556	18689	43245
28	Citycom Networks Pvt. Ltd.	4071	36665	40736
29	Honesty Net Solutions (I) Pvt. Ltd.	8213	30328	38541
30	Meghbela Cable & Broadband Services (P) Ltd.	20713	10048	30761
31	Indusind Media & Communications Limited (In2cable (I) Ltd.)	4217	25735	29952
32	Chandra Net Pvt. Limited	2804	23476	26280
33	Home Systems Pvt. Ltd.	0	22139	22139
34	Noida Software Technology Park Ltd.	0	21990	21990

Annexure 1.6 (contd.)

S.No.	Name of Service Provider	Narrowband (<512 Kbps)	Broadband (>= 512 Kbps)	Total
35	Digital Network associates Pvt. Ltd.	6673	14919	21592
36	Wish Net Pvt. Ltd.	0	18025	18025
37	Rajesh Multi Channel Pvt. Ltd.	5048	12922	17970
38	Southern Online Bio Technologies Ltd.	4345	12995	17340
39	Vasai Cable Pvt. Ltd.	0	13740	13740
40	Limras Eronet Broadband Service Pvt. Ltd.	6611	7060	13671
41	City Online Services Ltd	6984	6554	13538
42	SmartLink Broadband Services	1745	10897	12642
43	RailTel Corporation of India Ltd.	4693	6977	11670
44	R.K. Infratel Limited	847	9863	10710
45	Nextra Teleservices Pvt. Ltd.	0	9652	9652
46	Pioneerelabs	26	9417	9443
47	Apna Telelink Ltd.	0	7821	7821
48	Blazenet Ltd.	4069	3234	7303
49	Sify Technologies Ltd.	3807	3455	7262
50	World Phone Internet Services Pvt Ltd.	850	5843	6693
51	Nettlinx Ltd.	0	6401	6401
52	DEN Networks Ltd.	502	5682	6184
53	North East Dataa Network Pvt. Ltd.	0	6018	6018
54	Quest Consultancy Pvt. Ltd.	0	5705	5705
55	WE INTERNET LIMITED (Nivyah Infrastructure & Telecom Services Ltd)	0	5601	5601
56	Swiftmail Communications Ltd.	1125	4352	5477
57	Spacenet Internet Services Pvt Ltd	0	4807	4807
58	Bhupati Hotels Pvt. Ltd.	0	4431	4431
59	Hathway Bhawani Cabletel & Datacom Pvt. Ltd.	0	4303	4303
60	Narmada Cyberzone Pvt Ltd	1855	2318	4173
61	Geocity Network Solutions Pvt. Ltd.	926	3134	4060
62	IKF Technologies Ltd.	1161	2447	3608
63	CJ Online Pvt. Ltd.	40	3538	3578
64	HCL Comnet Systems & Services Ltd.	3396	30	3426
65	Rajesh Patel Net Services Pvt. Ltd.	334	2957	3291
66	Ishan Netsol Pvt. Ltd.	3062	151	3213
67	Intermedia Cable Communication Pvt. Ltd.	341	2714	3055
68	Kaizen Infonet Pvt. Ltd.	858	2193	3051

Annexure 1.6 (contd.)

S.No.	Name of Service Provider	Narrowband (<512 Kbps)	Broadband (>= 512 Kbps)	Total
69	CJM Consultancy Services Pvt. Ltd.	0	2995	2995
70	F/X Wireless Technology Services Pvt. Ltd.	1023	1854	2877
71	Siliguri Internet & Cable TV Pvt. Ltd.	0	2544	2544
72	Kappa Internet Services Pvt Ltd.	650	1509	2159
73	Hughes Communications India Ltd.	875	1204	2079
74	Wan and Lan Internet Pvt. Ltd.	103	1973	2076
75	Shri Omkar Infocom Pvt. Ltd.	27	2044	2071
76	Symbois Creations Pvt. Ltd.	261	1484	1745
77	Capture Network Systems Pvt. Ltd.	164	1442	1606
78	Speed Online.net Pvt. Ltd.	0	1575	1575
79	Star Broadband Services (I) Pvt Ltd.	0	1445	1445
80	Readylink Internet Services Pvt Ltd.	87	1328	1415
81	Digital2Virtual ISP Pvt. Ltd.	20	1287	1307
82	United Telecoms Ltd.	201	1103	1304
83	Touch Net India Pvt. Ltd.	629	641	1270
84	Sab Infotech (Sab Industries)	0	984	984
85	Multinet (Udaipur) Pvt. Ltd.	193	516	709
86	Data Infosys Ltd.	180	459	639
87	delDSL Internet Pvt Ltd	1	600	601
88	Rajdhani Telecom Pvt. Ltd.	33	423	456
89	Sikka Broadband(P) Ltd. (Gomti Cable Network Pvt Ltd)	39	322	361
90	Primenet Global Ltd.	0	347	347
91	S.S.Netcom Pvt. Ltd.	0	330	330
92	ERNET India	218	106	324
93	Bhiwani Communications Pvt. Ltd.	113	137	250
94	QBC Infotech Pvt. Ltd.	12	223	235
95	Microsense Pvt. Ltd.	0	220	220
96	Aeroway Networks Pvt. Ltd.	0	175	175
97	Conjoinix Technologies Pvt. Ltd.	0	131	131
98	Trans Virtual Pvt. Ltd.	43	76	119
99	Shri Vinayagaa Internet Pvt. Ltd.	50	68	118
100	Tatanet Services Ltd.	0	117	117
101	Convergent Telecom Pvt. Ltd. (Karuturi Telecom Private Limited)	0	111	111
102	Khetan Cable Network (P) Ltd.	0	108	108
103	Pulse Telesystems Pvt. Ltd.	1	100	101

Annexure 1.6 (contd.)

S.No.	Name of Service Provider	Narrowband (<512 Kbps)	Broadband (>= 512 Kbps)	Total
104	NetMagic Solutions(P) Ltd.	0	74	74
105	Harisree CableNet Pvt. Ltd.	0	53	53
106	Power Grid Corporation of India Ltd.	0	52	52
107	Verizon Communications India Pvt. Ltd. (Worldcom Communications)	0	51	51
108	Adya Tech One Services Pvt. Ltd.	0	42	42
109	Sanyog Networks Pvt. Ltd.	15	27	42
110	Nelco Ltd.	0	38	38
111	AT&T Global Network Services India Private Limited	0	34	34
112	West Bengal Electronics Industry Development Corp. Ltd.	0	29	29
113	Reach Network India Pvt. Ltd.	3	14	17
114	Essel Shyam Communications Limited	16	0	16
115	Vcare Call Centres India Pvt. Ltd.	0	14	14
116	Chemical And Metallurgical Design Co. Ltd	12	0	12
117	Financial Technologies Communications Ltd.	11	0	11
118	STN Communication & Advertising Pvt Ltd.	0	10	10
119	VIVA Communications Pvt Ltd. (Mylai Karpagambal Information Systems (P) Ltd.)	0	7	7
120	ABT Ltd.	3	2	5
121	Maple PC & Peripherals Pvt. Ltd.	0	2	2
122	Nextgen Communications Ltd (RPG Infotech Ltd.).	0	2	2
123	Godrej Infotech Ltd.	0	1	1
124	Orange Business Services India Network Pvt. Ltd.	0	1	1
125	L&T Finance Ltd. (L&T Netcom Ltd.)	0	1	1
126	Opto Network Pvt. Ltd.	0	1	1
127	Reliance Jio Infocomm Ltd (Infotel Broadband Services Limited)	0	1	1
Total		190314884	68828856	259143740
Total in Millions		190.31	68.83	259.14

*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 Providing Internet Telephony Service

S. No.	Name of Service Provider reported IP Telephony Minutes
1	Alliance Broadband Services Pvt. Ltd.
2	Asianet Satellite Communications Ltd.
3	Bharat Sanchar Nigam Ltd.
4	Blazenet Ltd.
5	Citycom Networks Pvt. Ltd.
6	Data Infosys Ltd.
7	delDSL Internet Pvt Ltd
8	Digital2Virtual ISP Pvt. Ltd.
9	IKF Technologies Ltd
10	Convergent Telecom Pvt. Ltd.(Karuturi Telecom Private Limited)
11	Novanet Ltd.
12	Oistel Telecom Pvt. Ltd.
13	Opto Network Pvt. Ltd.
14	Pipetel Communications Pvt. Ltd.
15	Pulse Telesystems Pvt. Ltd.
16	QBC Infotech Pvt. Ltd.
17	Sify Technologies Ltd.
18	Tata Communications Limited
19	Tata Teleservices(Maharashtra) Ltd.
20	Trikon Electronics Pvt. Ltd.
21	VIVA Communications Pvt Ltd
22	World Phone Internet Services Pvt Ltd
23	You Broadband & Cable India Private Limited

Annexure 1.8: Service Area wise PMRTS subscriber Base

SNo.	Operative Area	Service Providers	Subscriber Base	
			31.03.2014	30.06.2014
1	Delhi(Faridabad/ Gurgaon)	Arya Omnitalk Radio Trunking Servives Pvt.Ltd.	2617	3727
		Procall(Delhi)	4218	3190
		Procall (Faridabad)	322	322
		Procall (Gurgaon)	877	819
		Total	8034	8058
2	Mumbai(Navi Mumbai/Vashi)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	6396	6807
		Smartalk (Mumbai & Vashi)	693	580
		Bhilwara Telenet(Mumbai)	680	601
		Total	7769	7988
3	Kolkata	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1883	1777
		Total	1883	1777
4	TN(Chennai)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	5079	5011
		Quick Calls	380	131
		Total	5459	5142
5	Karnataka (Bangalore)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	5456	5199
		Quick Calls	498	417
		India Satcom	0	0
		Total	5954	5616
6	Andhra Pradesh (Vishakhapatna)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	3000	3094
		Quick Calls	2018	1982
		Total	5018	5076
7	Madhya Pradesh (Indore)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	811	769
		Total	811	769
8	Rajasthan (Jaipur)	Procall	529	532
		Total	529	532
9	Gujrat(Ahmedabad /Surat/Baroda/ Bharuch)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	4452	4587
		Total	4452	4587
10	Maharashtra (Pune)	Smartalk	465	392
		Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1253	1228
		Total	1718	1620
		Grand Total	41627	41165

Annexure 2.1: GSM Service - Service Area wise Statistics for QE Jun-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	134	29	200	208	408
Gujarat	95	109	17	191	166	356
Karnataka	95	140	48	203	196	399
MH	95	126	36	182	169	351
TN (incl. Chennai)	95	124	48	180	191	371

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	102	18	196	183	380
Kerala	96	169	21	204	255	459
MP	98	105	18	162	163	325
Punjab	94	122	41	200	196	396
Rajasthan	98	108	11	162	179	341
UP(E)	99	100	13	175	237	412
UP(W)	98	98	21	177	197	374
WB	99	83	14	164	200	364

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.	130	35	215	239	454
Bihar	99	100	7	170	253	423
HP	98	107	20	202	201	403
J&K	92	172	5	302	272	574
NE	97	128	66	198	191	388
Orissa	99	94	11	192	226	418

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	107	26	215	217	433
Delhi	86	161	27	234	190	425
Mumbai	85	170	29	255	185	440

Annexure 2.2: CDMA Full Mobility Service - Service Area wise Statistics for QE Jun-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	89	123	20	136	124	260
Gujarat	81	130	34	147	114	261
TN (incl. Chennai)	81	163	17	147	109	256
Karnataka	86	135	11	147	136	283
AP	86	129	21	158	147	304

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	65	7	159	189	348
Rajasthan	95	83	14	230	182	412
UP(E)	95	72	20	95	118	213
MP	95	78	16	121	145	267
Kerala	85	126	12	109	94	203
UP(W)	94	86	23	121	143	264
Haryana	89	80	19	175	150	325
Punjab	78	146	19	174	111	284

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	105.53	11	147	172	319
Bihar	96	76.49	10	123	177	299
HP	85	134.69	8	131	120	251
J&K	40	188.61	20	106	104	210
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	105.78	9	136	148	284
Delhi	87	121.55	17	167	123	291
Mumbai	81	157.20	24	116	85	202

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, June, 2014																			
Name of Service Area	Name of Service Provider	Network Related Parameters									Customer Service Quality Parameters								
		Network Availability		Connection Establishment (Accessibility)			Connection Maintenance (Retainability)			POI	Metering and Billing				Response time to the customer for assistance		Termination / closure of service		
		BTSs Accumulated downtime (not available for service) (%)	Worst affected BTSs due to downtime (%)	Call Set-up Success Rate (within licensee's own network)	SDCCH/ Paging Chl. Congestion (%)	TCH Congestion (%)	Call Drop Rate (%)	Worst affected cells having more than 3% TCH drop (call drop) rate (%)	Connection with good voice quality	Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark)	Metering and billing credibility - post paid	Metering and billing credibility - pre paid	Resolution of billing/charging/validity complaints	Period of applying credit/waiver/ adjustment to customer's account from the date of resolution of complaints	Accessibility of call centre/customer care	Percentage of calls answered by the operators (voice to voice) within 60 seconds	%age requests for Termination / Closure of service complied 1.00	Time taken for refund of deposits after closures	
		≤ 2%	≤ 2%	≥ 95%	≤ 1%	≤ 2%	≤ 2%	≤ 3%	≥ 95%	≤ 0.5%	≤ 0.1%	≤ 0.1%	100% within 4 weeks	within 1 week of resolution of complaint	≥ 95%	≥ 90%	100% within 7 days	100% within 60 days	
AP	Aircel	0.13	0.31	99.35	0.16	0.27	0.92	4.23	97.89	0	0.00	0.02	100.00	100.00	98.13	89.01	99.60	100.00	
	Airtel	0.02	0.00	99.18	0.10	0.07	0.34	0.48	98.92	0	0.01	0.00	100.00	100.00	100.00	87.00	100.00	100.00	
	BSNL	1.97	1.97	98.00	0.90	1.70	0.90	2.47	98.00	0	0.00	0.00	100.00	100.00	98.00	98.00	100.00	100.00	
	Idea	0.04	0.22	99.99	0.71	1.10	0.71	1.44	97.54	0	0.12	0.00	100.00	100.00	99.57	93.67	100.00	100.00	
	RCOM CDMA	0.59	1.40	98.30	0.00	0.16	0.27	0.05	99.70	0	0.10	0.01	100.00	100.00	98.89	63.23	100.00	100.00	
	RCOM GSM	0.42	1.53	99.65	0.06	0.08	0.44	0.06	98.79	0	0.09	0.10	100.00	100.00	99.04	42.37	100.00	100.00	
	TATA CDMA	0.02	0.00	99.12	0.01	0.30	0.28	0.28	98.66	0	0.00	0.00	100.00	100.00	98.91	97.52	100.00	99.82	
	TATA GSM	0.23	1.48	98.88	0.05	0.17	0.62	1.63	98.19	0	0.00	0.00	100.00	100.00	100.00	95.03	100.00	100.00	
ASM	Telewings	0.30	1.95	98.32	0.44	0.69	0.96	2.28	97.90	0	NA	0.00	100.00	NA	95.95	96.97	NA	NA	
	Vodafone	0.04	0.23	99.83	0.07	0.24	0.49	1.96	98.92	0	0.07	0.05	100.00	100.00	100.00	95.67	100.00	100.00	
	Aircel	6.28	34.57	95.23	1.28	3.04	1.91	14.86	91.79	0	0.02	0.00	100.00	100.00	95.80	91.16	99.79	100.00	
	Airtel	0.24	1.39	98.35	0.21	0.65	0.98	0.88	98.47	0	0.00	0.00	100.00	100.00	82.00	89.00	100.00	100.00	
	BSNL	2.60	5.23	95.00	1.07	1.50	2.37	5.50	93.93	0	0.01	0.01	100.00	100.00	77.00	90.67	100.00	100.00	
	Idea	0.54	0.55	98.55	0.30	1.12	1.19	1.98	95.24	0	0.01	0.00	100.00	100.00	99.35	98.25	100.00	100.00	
	RTL	0.42	1.53	98.54	0.03	0.17	0.71	0.08	98.46	0	0.10	0.05	100.00	100.00	98.99	86.91	100.00	100.00	
	Vodafone	0.89	1.85	99.30	0.21	0.70	0.61	2.69	97.73	0	0.30	0.02	100.00	100.00	99.96	95.32	100.00	100.00	
BH	Aircel	5.02	28.72	94.65	1.11	4.87	1.31	7.12	95.08	0	0.00	0.00	100.00	100.00	69.41	90.77	100.00	33.33	
	Airtel	0.10	0.31	97.90	0.73	0.44	0.57	2.55	97.70	0	0.01	0.01	100.00	100.00	100.00	86.00	100.00	100.00	
	BSNL	6.62	13.67	97.17	0.62	1.03	2.75	8.42	96.20	0	0.00	0.05	100.00	100.00	90.50	96.15	100.00	100.00	
	Idea	0.69	1.81	98.40	0.83	1.58	0.90	2.78	97.26	0	0.01	0.01	100.00	100.00	97.87	96.61	100.00	100.00	
	RCOM CDMA	0.43	1.15	97.61	0.00	0.03	0.35	1.23	99.77	0	0.09	0.03	100.00	100.00	98.76	34.25	100.00	100.00	
	RTL	0.08	0.21	96.41	0.19	0.11	0.52	0.09	97.93	0	0.09	0.09	100.00	100.00	98.42	72.59	100.00	100.00	
	TATA CDMA	0.17	0.00	97.28	0.00	0.92	0.86	2.05	98.22	0	0.00	0.00	98.56	100.00	97.75	95.96	100.00	100.00	
	TATA GSM	0.00	0.00	99.05	0.19	0.14	0.45	0.34	97.63	0	0.00	0.00	100.00	100.00	95.97	93.52	100.00	100.00	
Vodafone	0.47	1.84	97.54	0.84	1.59	0.55	1.51	93.78	0	NA	0.05	100.00	NA	96.81	95.90	NA	NA		

Annexure 4.1 (Contd.)

CHN	Aircel	0.52	2.42	98.67	0.33	0.95	0.69	2.78	97.71	1	0.00	0.00	100.00	100.00	95.89	87.26	99.96	100.00	
	Airtel	0.02	0.00	99.92	0.02	0.01	0.15	0.13	99.74	0	0.01	0.01	100.00	100.00	100.00	84.00	100.00	100.00	
	BSNL	0.40	1.60	100.00	0.27	0.40	0.70	1.33	100.00	0	0.10	0.00	100.00	100.00	100.00	90.40	100.00	100.00	
	Idea	0.01	0.00	99.63	0.09	0.09	0.46	0.16	97.28	0	Incl. In TN								
	RCOM CDMA	Incl. In TN									0.10	0.01	100.00	100.00	98.57	71.67	100.00	100.00	
	RCOM GSM	Incl. In TN									Incl. In TN								
Vodafone	0.02	0.15	99.54	0.06	0.46	0.51	1.69	98.79	0	0.03	0.02	100.00	99.85	100.00	92.35	100.00	100.00		
DL	Aircel	0.67	2.88	97.48	1.38	1.75	1.23	7.02	97.34	0	0.05	0.00	100.00	100.00	97.97	92.86	99.43	100.00	
	Airtel	0.02	0.00	99.86	0.04	0.04	0.51	0.65	99.34	0	0.03	0.00	100.00	99.94	100.00	73.00	100.00	100.00	
	Idea	0.01	0.00	99.96	0.89	0.96	0.50	1.56	98.66	0	0.05	0.00	100.00	100.00	99.61	98.21	100.00	100.00	
	MTNL CDMA	NR										0.00	100.00	100.00	97.70	97.70	100.00	100.00	
	MTNL GSM	0.45	1.69	96.10	0.60	1.73	1.80	2.37	97.14	0	0.03	0.02	100.00	100.00	99.23	97.20	100.00	100.00	
	MTS	0.20	0.67	98.86	0.00	0.36	0.62	1.96	99.20	0	0.00	0.00	100.00	100.00	98.67	95.53	100.00	NA	
	RCOM CDMA	0.15	0.10	97.12	0.00	0.09	0.46	1.68	99.79	0	0.10	0.05	100.00	100.00	98.13	92.20	100.00	100.00	
	RCOM GSM	0.36	0.81	99.58	0.03	0.07	0.36	0.13	98.78	0	0.10	0.10	100.00	100.00	98.73	73.03	100.00	100.00	
	TATA CDMA	0.06	0.00	99.00	0.00	0.09	0.57	1.46	99.09	0	0.00	0.00	99.93	100.00	99.27	95.80	100.00	99.89	
Vodafone	0.14	0.57	99.77	0.03	0.09	0.70	2.51	97.53	0	0.07	0.03	100.00	100.00	100.00	96.68	100.00	100.00		
GUJ	Aircel	0.03	0.00	99.35	0.02	0.01	0.64	3.34	98.26	0	0.00	0.00	100.00	100.00	95.74	96.79	100.00	100.00	
	Airtel	0.08	0.25	99.72	0.03	0.20	0.62	0.58	97.36	0	0.00	0.00	100.00	100.00	100.00	92.00	99.47	100.00	
	BSNL	1.67	1.67	99.00	0.30	1.20	1.33	2.70	100.00	0	0.02	0.00	100.00	100.00	95.15	97.93	100.00	100.00	
	Idea	0.04	0.00	99.19	0.28	0.40	0.88	0.60	96.52	0	0.08	0.01	100.00	100.00	99.02	99.00	100.00	100.00	
	MTS	0.03	0.00	99.72	0.00	0.04	0.15	2.01	99.20	0	0.00	0.00	100.00	100.00	100.00	96.59	100.00	NA	
	RCOM CDMA	0.28	0.40	99.10	0.00	0.01	0.05	0.16	99.86	0	0.10	0.03	100.00	100.00	98.26	42.77	100.00	100.00	
	RCOM GSM	0.23	0.33	99.65	0.01	0.07	0.30	0.01	98.87	0	0.09	0.10	100.00	100.00	98.61	43.84	100.00	100.00	
	TATA CDMA	0.02	0.00	98.54	0.00	0.41	0.51	2.37	99.34	0	0.00	0.00	100.00	100.00	97.70	96.71	100.00	98.85	
	TATA GSM	0.00	0.00	98.19	0.03	0.05	0.79	2.57	98.22	0	0.00	0.00	99.25	99.94	99.16	94.13	100.00	100.00	
	Telewings	0.22	0.84	97.56	0.32	1.12	0.44	2.42	97.90	0	NA	0.01	100.00	NA	95.68	93.86	NA	NA	
	Videocon	0.08	0.25	97.76	0.10	0.44	0.56	1.08	97.79	0	NA	0.00	100.00	100.00	98.00	93.00	NA	NA	
Vodafone	0.03	0.05	99.57	0.12	0.39	0.71	1.22	97.56	0	0.10	0.01	100.00	100.00	100.00	94.04	100.00	100.00		
HR	Aircel	0.63	2.38	97.58	0.01	0.00	9.58	1.41	99.29	0	0.00	0.00	100.00	100.00	96.71	95.86	100.00	100.00	
	Airtel	0.07	0.07	99.03	0.26	0.23	0.28	0.62	99.16	0	0.10	0.00	100.00	100.00	100.00	91.00	100.00	100.00	
	BSNL	1.20	1.50	97.00	0.33	1.00	1.10	0.97	96.97	0	0.10	0.00	100.00	100.00	100.00	26.00	100.00	100.00	
	Idea	0.01	0.00	99.99	0.44	0.39	0.56	1.66	98.29	0	0.05	0.01	100.00	100.00	100.00	96.55	100.00	100.00	
	RCOM CDMA	0.25	0.60	97.92	0.00	0.23	0.19	0.80	99.75	0	0.09	0.05	100.00	100.00	98.69	94.45	100.00	100.00	
	RCOM GSM	0.40	1.04	99.60	0.04	0.05	0.25	0.03	99.11	0	0.08	0.10	100.00	100.00	98.73	95.09	100.00	100.00	
	TATA CDMA	0.10	0.00	97.55	0.00	0.96	0.48	2.03	96.26	0	0.00	0.00	100.00	100.00	97.13	93.74	100.00	100.00	
	TATA GSM	0.05	0.00	98.34	0.08	0.70	0.64	1.72	97.31	0	0.00	0.00	99.93	99.94	99.28	79.37	100.00	100.00	
	Videocon	0.22	0.66	98.77	0.15	0.07	0.54	0.89	98.21	0	NA	0.00	100.00	100.00	96.09	92.30	NA	NA	
Vodafone	0.04	0.01	99.77	0.13	0.23	0.64	1.22	97.77	0	0.01	0.00	100.00	100.00	100.00	97.13	100.00	100.00		

Annexure 4.1 (Contd.)

HP	Aircel	0.46	1.66	99.44	0.10	0.33	1.15	8.78	95.18	0	0.00	0.00	100.00	100.00	99.20	94.47	100.00	100.00
	Airtel	0.01	0.00	99.10	0.11	0.16	0.58	1.93	98.83	0	0.08	0.00	100.00	100.00	100.00	92.00	100.00	100.00
	BSNL	1.90	1.83	97.67	0.80	1.57	1.13	2.87	96.17	0	0.10	0.10	100.00	100.00	100.00	3.70	100.00	100.00
	Idea	0.24	0.00	98.73	0.10	0.58	1.25	2.25	95.55	0	0.02	0.01	100.00	100.00	99.16	98.16	100.00	100.00
	RCOM CDMA	0.09	0.00	99.15	0.00	0.00	0.07	0.26	99.79	0	0.06	0.04	100.00	100.00	98.08	97.03	100.00	100.00
	RTL	0.16	0.11	98.67	0.07	0.10	0.67	0.04	98.11	0	0.06	0.09	100.00	100.00	98.97	82.29	100.00	100.00
	TATA CDMA	0.00	0.00	98.58	0.00	0.10	0.18	0.14	98.19	0	0.00	0.00	100.00	100.00	97.43	95.29	100.00	100.00
	TATA GSM	0.00	0.00	98.92	0.00	0.03	1.54	0.00	97.93	0	0.00	0.00	100.00	99.94	98.56	97.32	100.00	100.00
Vodafone	0.02	0.00	98.25	0.02	0.16	0.60	2.07	98.45	0	0.00	0.01	100.00	100.00	100.00	99.76	100.00	100.00	
J&K	Aircel	1.05	6.89	97.88	0.48	1.67	1.43	11.39	94.02	0	0.00	0.00	100.00	100.00	89.19	90.22	99.80	100.00
	Airtel	0.08	0.14	98.71	0.32	0.26	0.49	1.12	98.29	0	0.03	0.00	100.00	100.00	100.00	91.00	100.00	100.00
	BSNL	0.47	0.73	98.00	0.70	1.07	0.87	1.60	97.67	0	0.05	0.01	100.00	100.00	100.00	11.79	100.00	100.00
	Idea	0.27	1.17	99.23	0.12	0.42	1.41	2.27	96.04	0	0.01	0.00	100.00	100.00	97.96	96.74	100.00	100.00
	RCOM GSM	0.32	1.27	99.53	0.03	0.05	0.46	0.03	98.77	0	0.08	0.10	100.00	100.00	98.81	89.51	100.00	100.00
	Vodafone	0.04	0.13	98.65	0.03	0.29	0.52	2.56	98.41	0	0.03	0.01	100.00	100.00	100.00	98.94	100.00	100.00
KTK	Aircel	0.17	0.29	99.23	0.14	0.24	1.08	6.16	97.37	1	0.00	0.00	100.00	100.00	96.52	86.76	99.52	61.88
	Airtel	0.70	1.80	98.43	0.39	0.58	0.66	0.79	99.11	0	0.01	0.01	99.97	100.00	100.00	89.00	99.96	100.00
	BSNL	1.30	1.87	98.00	0.13	0.67	1.13	2.27	98.20	0	0.00	0.00	100.00	100.00	99.00	96.40	100.00	100.00
	Idea	0.10	0.21	97.83	0.43	0.25	0.83	1.23	96.64	0	0.02	0.01	100.00	100.00	99.60	96.85	100.00	100.00
	MTS	0.65	0.00	98.98	0.00	0.32	0.56	1.36	99.14	0	0.00	0.00	100.00	100.00	99.98	43.57	100.00	100.00
	RCOM CDMA	0.63	1.57	98.66	0.00	0.01	0.09	0.25	99.75	0	0.08	0.01	100.00	100.00	97.72	56.50	100.00	100.00
	RCOM GSM	0.44	1.16	99.60	0.06	0.09	0.36	0.05	98.85	0	0.09	0.10	100.00	100.00	98.88	47.33	100.00	100.00
	TATA CDMA	0.06	0.00	98.51	0.00	0.03	1.05	3.39	98.29	0	0.00	0.00	100.00	100.00	98.65	95.59	100.00	100.00
	TATA GSM	0.12	0.28	98.54	0.03	0.19	0.72	2.78	97.93	0	0.00	0.00	99.62	99.94	99.46	92.10	100.00	100.00
Vodafone	0.19	1.02	99.86	0.07	0.14	0.56	2.75	98.77	0	0.10	0.07	100.00	100.00	100.00	80.64	100.00	100.00	
KR	Aircel	0.45	1.28	99.89	0.00	0.00	0.74	2.70	98.78	0	0.00	0.00	100.00	100.00	98.05	93.82	100.00	100.00
	Airtel	0.06	0.02	99.78	0.09	0.05	0.24	0.77	99.73	0	0.01	0.01	100.00	100.00	100.00	86.00	100.00	100.00
	BSNL	1.03	1.23	98.00	0.63	2.00	0.67	2.20	99.87	0	0.00	0.00	100.00	100.00	100.00	80.20	100.00	100.00
	Idea	0.61	1.51	99.95	0.26	1.21	0.64	1.87	95.16	0	0.08	0.03	100.00	100.00	98.48	94.96	100.00	100.00
	MTS	0.10	0.20	99.59	0.00	0.01	0.60	2.91	99.17	0	0.00	0.00	100.00	100.00	99.23	91.94	100.00	100.00
	RCOM CDMA	0.22	0.08	99.19	0.00	0.00	0.05	0.17	99.72	0	0.09	0.01	100.00	100.00	98.71	74.41	100.00	100.00
	RCOM GSM	0.11	0.03	99.75	0.01	0.03	0.18	0.06	99.22	0	0.08	0.09	100.00	100.00	98.97	64.73	100.00	100.00
	TATA CDMA	0.03	0.00	98.78	0.00	0.05	0.65	0.95	99.13	0	0.00	0.00	100.00	100.00	99.62	96.47	100.00	100.00
	TATA GSM	0.02	0.00	98.94	0.01	0.03	0.61	0.66	98.15	0	0.00	0.00	99.66	99.94	99.17	78.08	100.00	100.00
Vodafone	0.06	0.32	99.40	0.15	0.60	0.60	1.62	97.40	0	0.06	0.01	100.00	100.00	100.00	95.48	100.00	100.00	

Annexure 4.1 (Contd.)

KOL	Aircel	0.61	1.90	97.97	0.75	1.09	0.82	2.93	97.38	0	0.01	0.16	100.00	100.00	94.15	79.76	100.00	69.85
	Airtel	0.03	0.00	99.66	0.04	0.12	0.72	0.50	96.22	0	0.01	0.00	100.00	100.00	100.00	87.00	100.00	100.00
	BSNL	1.03	2.00	99.00	0.50	0.90	0.60	2.73	99.79	0	0.07	0.33	64.97	71.00	79.00	69.68	100.00	100.00
	Idea	0.23	0.53	99.64	0.06	0.03	0.34	0.94	97.06	0	0.02	0.01	100.00	100.00	99.58	91.25	100.00	100.00
	MTS	0.18	0.00	99.81	0.00	0.01	0.51	0.83	99.95	0	0.00	0.00	100.00	100.00	99.35	90.43	100.00	100.00
	RCOM CDMA	0.19	0.62	99.13	0.00	0.01	0.15	0.51	99.75	0	0.09	0.03	100.00	100.00	99.17	21.95	100.00	100.00
	RTL	0.17	0.38	99.22	0.02	0.05	0.45	0.05	98.13	0	0.09	0.10	100.00	100.00	98.93	85.33	100.00	100.00
	TATA CDMA	0.11	0.23	98.93	0.00	0.05	0.77	1.23	99.18	0	0.00	0.00	96.67	100.00	99.06	95.43	100.00	100.00
	TATA GSM	0.02	0.04	98.63	0.05	0.04	0.68	1.49	98.07	0	0.00	0.00	98.75	99.17	97.05	86.52	100.00	100.00
Vodafone	0.03	0.05	99.65	0.04	0.35	0.77	2.75	97.34	0	0.01	0.01	100.00	100.00	100.00	82.17	100.00	100.00	
MP	Aircel	0.59	1.04	98.74	0.28	0.00	0.75	1.45	99.32	0	0.00	0.00	100.00	100.00	98.43	97.49	100.00	100.00
	Airtel	0.14	0.36	99.44	0.07	0.29	0.76	1.65	96.17	0	0.02	0.00	100.00	100.00	100.00	94.00	100.00	100.00
	BSNL	1.55	1.67	95.83	0.67	1.72	1.72	2.62	97.25	0	0.00	0.00	100.00	100.00	99.00	96.60	100.00	100.00
	Idea	0.99	1.93	97.88	0.57	1.42	0.85	1.02	98.67	0	0.06	0.00	100.00	100.00	99.59	91.38	100.00	100.00
	RCOM CDMA	0.56	1.30	99.00	0.00	0.00	0.09	0.51	99.84	0	0.10	0.04	100.00	100.00	98.77	89.78	100.00	100.00
	RTL	0.30	1.08	98.68	0.05	0.23	0.56	0.02	97.95	0	0.10	0.10	100.00	100.00	98.97	92.01	100.00	100.00
	TATA CDMA	0.02	0.00	99.15	0.00	0.09	0.35	1.38	99.18	0	0.00	0.00	100.00	100.00	97.60	95.38	100.00	100.00
	TATA GSM	0.01	0.00	98.56	0.05	0.06	0.70	2.32	98.20	0	0.00	0.00	100.00	99.94	99.03	92.52	100.00	100.00
	Videocon	0.36	0.95	98.94	0.15	0.24	0.62	1.31	98.30	0	NA	0.00	100.00	100.00	95.88	90.76	NA	NA
Vodafone	0.08	0.08	99.45	0.14	0.55	0.64	3.20	99.07	0	0.09	0.05	100.00	100.00	100.00	90.98	99.50	100.00	
MH	Aircel	0.09	0.36	99.31	0.06	0.12	0.72	2.83	97.21	0	0.01	0.02	100.00	100.00	98.21	91.34	96.30	98.75
	Airtel	0.01	0.00	99.87	0.04	0.08	0.43	0.15	98.92	0	0.02	0.00	100.00	100.00	100.00	92.00	100.00	100.00
	BSNL	1.89	1.78	95.52	0.84	1.83	1.75	2.80	95.82	0	0.03	0.07	100.00	100.00	100.00	65.74	100.00	100.00
	Idea	0.20	1.13	98.48	0.72	1.02	0.95	1.49	97.60	0	0.09	0.00	100.00	100.00	99.14	98.36	100.00	100.00
	RCOM CDMA	0.36	1.12	97.72	0.00	0.05	0.23	0.90	99.80	0	0.10	0.02	100.00	100.00	99.23	53.62	100.00	100.00
	RCOM GSM	0.44	1.52	99.61	0.03	0.05	0.32	0.02	98.85	0	0.09	0.10	100.00	100.00	99.06	40.07	100.00	100.00
	TATA CDMA	0.02	0.00	97.79	0.00	0.82	1.04	2.45	99.07	0	0.00	0.00	100.00	100.00	98.27	96.55	100.00	100.00
	TATA GSM	0.01	0.00	99.73	0.07	0.08	0.70	2.01	97.98	0	0.00	0.00	99.34	99.94	98.65	95.78	100.00	100.00
	Telewings	0.31	1.77	97.64	0.40	1.26	0.57	1.07	97.59	0	NA	0.02	100.00	NA	96.02	95.19	NA	NA
Vodafone	0.15	0.74	99.08	0.38	0.92	0.70	2.74	97.51	0	0.08	0.03	100.00	100.00	99.94	96.11	100.00	100.00	
MBI	Aircel	0.09	0.32	98.40	0.08	0.34	0.88	5.17	97.74	0	0.00	0.00	100.00	100.00	98.96	91.46	100.00	97.12
	Airtel	0.00	0.00	99.99	0.00	0.00	0.27	0.01	99.97	0	0.01	0.00	100.00	100.00	96.00	88.00	100.00	100.00
	Idea	0.07	0.06	98.33	0.48	0.95	1.87	2.79	95.72	0	0.09	0.02	100.00	100.00	100.00	96.75	100.00	100.00
	loop	0.01	0.00	99.23	0.02	0.02	0.60	0.32	98.13	0	0.00	0.00	100.00	100.00	99.39	99.09	100.00	100.00
	MTNL CDMA	0.11	1.35	97.95	0.86	0.01	1.38	1.35	97.10	0	NR							
	MTNL GSM	0.62	1.28	97.93	0.21	0.06	1.10	1.64	96.10	0	0.02	0.02	100.00	100.00	NR	95.91	99.90	100.00
	RCOM CDMA	0.32	0.30	98.34	0.00	0.02	0.64	0.11	99.79	0	0.10	0.02	100.00	100.00	99.47	43.06	100.00	100.00
	RCOM GSM	0.17	0.25	99.60	0.04	0.09	0.46	0.03	98.86	0	0.10	0.10	100.00	100.00	99.21	40.96	100.00	100.00
	TATA CDMA	0.02	0.00	98.99	0.00	0.02	0.61	1.06	99.13	0	0.00	0.00	99.30	100.00	99.69	96.61	100.00	99.32
TATA GSM	0.01	0.00	99.58	0.07	0.14	0.63	2.62	98.51	0	0.00	0.00	99.81	99.94	99.32	94.52	100.00	99.38	
Vodafone	0.01	0.00	99.58	0.03	0.42	0.82	2.36	97.39	0	0.06	0.01	100.00	100.00	99.98	92.55	100.00	100.00	

Annexure 4.1 (Contd.)

NE	Aircel	10.15	57.74	93.11	3.39	4.79	2.89	28.59	92.47	0	0.01	0.00	100.00	100.00	96.19	94.05	100.00	92.47
	Airtel	0.34	1.36	97.32	0.64	0.49	1.01	1.24	98.84	0	0.00	0.01	100.00	100.00	100.00	71.00	100.00	100.00
	BSNL	5.07	14.91	94.69	3.44	4.57	4.04	11.80	93.28	0	0.05	0.05	100.00	100.00	87.00	91.00	100.00	100.00
	Idea	1.56	0.73	97.29	0.43	1.55	1.43	2.51	95.38	0	0.00	0.00	100.00	100.00	99.83	98.89	100.00	100.00
	RTL	0.44	1.57	98.36	0.03	0.40	0.65	0.08	98.46	0	0.07	0.02	100.00	100.00	97.89	90.24	100.00	100.00
	Vodafone	1.55	1.88	99.34	0.25	0.66	0.73	2.54	98.04	0	0.25	0.02	100.00	100.00	99.97	94.50	100.00	100.00
OR	Aircel	0.69	1.78	98.86	0.48	0.88	1.24	2.92	95.35	0	0.00	0.00	100.00	100.00	70.84	95.70	98.80	100.00
	Airtel	0.18	0.88	98.60	0.39	1.19	0.97	1.10	96.11	0	0.01	0.00	100.00	100.00	100.00	83.00	100.00	100.00
	BSNL	0.50	0.73	98.33	0.80	1.57	1.90	2.90	98.00	0	0.00	0.00	100.00	100.00	95.00	97.00	100.00	100.00
	Idea	0.28	0.68	99.00	0.35	0.24	0.42	1.21	96.46	0	0.01	0.01	100.00	100.00	98.56	96.91	100.00	100.00
	RCOM CDMA	0.37	0.23	99.39	0.00	0.00	0.33	2.49	99.80	0	0.07	0.02	100.00	100.00	98.77	89.07	100.00	100.00
	RTL	0.08	0.26	97.51	0.21	1.22	0.55	0.03	98.15	0	0.09	0.04	100.00	100.00	98.94	59.85	100.00	100.00
	TATA CDMA	0.04	0.00	98.67	0.00	0.03	0.52	1.11	98.25	0	0.00	0.00	100.00	100.00	98.31	96.74	100.00	100.00
	TATA GSM	0.04	0.13	98.19	0.10	0.31	0.37	0.37	97.79	0	0.00	0.00	100.00	99.94	95.46	93.97	100.00	99.54
Vodafone	0.15	0.46	99.37	0.34	0.63	0.64	3.82	98.49	0	0.10	0.07	100.00	100.00	99.97	96.61	100.00	100.00	
PB	Aircel	0.17	0.06	98.28	0.06	0.40	0.80	4.48	97.51	0	0.01	0.00	100.00	100.00	99.61	93.09	100.00	100.00
	Airtel	0.07	0.13	99.36	0.12	0.10	0.42	0.87	98.60	0	0.08	0.00	100.00	100.00	100.00	90.00	100.00	100.00
	BSNL	0.40	1.90	97.33	0.93	1.13	1.87	18.43	95.53	0	0.05	0.00	100.00	NR	100.00	3.00	100.00	100.00
	Idea	0.07	0.12	98.78	0.11	0.20	0.52	0.39	97.65	0	0.04	0.01	100.00	100.00	99.92	91.31	100.00	100.00
	QTL cdma	0.59	0.00	98.66	0.70	1.42	0.69	0.26	97.76	0	0.00	0.00	100.00	100.00	96.02	94.00	100.00	100.00
	QTL gsm	0.43	0.53	97.84	0.07	0.32	0.83	0.91	97.51	0	0.00	0.00	100.00	100.00	95.77	91.90	100.00	100.00
	RCOM CDMA	0.32	0.22	98.27	0.00	0.50	0.13	0.18	99.69	0	0.09	0.04	100.00	100.00	98.52	94.52	100.00	100.00
	RCOM GSM	0.25	0.45	99.60	0.06	0.05	0.30	0.03	98.89	0	0.09	0.10	100.00	100.00	98.50	78.26	100.00	100.00
	TATA CDMA	0.04	0.00	98.52	0.00	0.36	0.54	0.87	98.97	0	0.00	0.00	100.00	100.00	97.60	96.08	100.00	100.00
	TATA GSM	0.08	0.08	99.14	0.02	0.08	0.61	1.94	97.29	1	0.00	0.00	99.96	99.94	99.04	92.60	99.96	99.54
Vodafone	0.05	0.02	99.86	0.02	0.14	0.52	0.97	98.13	0	0.07	0.01	100.00	100.00	100.00	99.41	100.00	100.00	
RAJ	Aircel	0.23	0.77	97.25	0.32	0.58	0.70	2.45	97.10	0	0.05	0.00	100.00	100.00	97.64	90.40	100.00	99.84
	Airtel	0.06	0.16	98.89	0.17	0.38	0.79	1.11	99.00	0	0.01	0.00	100.00	100.00	100.00	90.00	100.00	100.00
	BSNL	1.80	1.90	99.00	0.73	1.43	1.30	2.43	98.33	0	0.00	0.10	100.00	100.00	97.23	99.53	100.00	100.00
	Idea	0.10	0.06	99.22	0.31	0.38	1.04	1.72	96.29	0	0.06	0.01	100.00	100.00	99.46	98.56	99.94	100.00
	MTS	0.08	0.00	99.18	0.00	0.17	0.61	1.51	99.19	0	0.00	0.00	100.00	100.00	96.60	94.68	100.00	100.00
	RCOM CDMA	0.33	1.05	98.76	0.00	0.01	0.14	0.69	99.72	0	0.09	0.06	100.00	100.00	98.06	95.32	100.00	100.00
	RCOM GSM	0.26	0.68	99.59	0.03	0.08	0.35	0.04	98.70	0	0.09	0.10	100.00	100.00	98.83	93.23	100.00	100.00
	TATA CDMA	0.04	0.00	97.44	0.00	1.54	0.53	1.55	98.86	0	0.00	0.00	99.20	100.00	96.63	95.97	100.00	100.00
	TATA GSM	0.13	0.10	98.55	0.16	0.05	0.61	1.03	98.50	0	NA	0.00	100.00	99.94	96.59	93.52	NA	99.54
Vodafone	0.04	0.09	99.80	0.11	0.20	0.65	1.52	97.40	0	0.08	0.03	100.00	100.00	100.00	94.39	100.00	100.00	

Annexure 4.1 (Contd.)

TN	Aircel	0.29	1.38	98.91	0.44	0.70	1.00	3.54	95.13	0	0.01	0.02	100.00	100.00	96.76	88.90	99.78	100.00
	Airtel	0.01	0.01	99.77	0.11	0.04	0.17	0.27	99.70	0	0.02	0.00	100.00	100.00	100.00	84.00	100.00	100.00
	BSNL	0.50	1.57	98.33	0.10	0.33	0.67	1.83	98.57	0	0.00	0.00	100.00	100.00	100.00	78.50	100.00	100.00
	Idea	0.01	0.00	99.72	0.09	0.10	0.34	0.13	97.48	0	0.02	0.02	100.00	100.00	99.55	99.12	100.00	100.00
	MTS	0.06	0.13	99.38	0.00	0.04	0.40	1.16	99.19	0	0.00	0.00	100.00	100.00	99.30	90.23	100.00	NA
	RCOM CDMA	0.29	0.60	99.09	0.00	0.01	0.07	0.10	99.76	0	0.10	0.01	100.00	100.00	97.53	71.67	100.00	100.00
	RCOM GSM	0.22	0.49	99.74	0.03	0.05	0.35	0.02	99.02	0	0.10	0.07	100.00	100.00	98.42	60.89	100.00	100.00
	TATA CDMA	0.06	0.00	98.76	0.00	0.05	0.50	1.70	98.81	0	0.00	0.00	100.00	100.00	99.25	86.13	100.00	100.00
	TATA GSM	0.08	0.23	99.55	0.04	0.05	0.64	1.24	98.76	0	0.00	0.00	99.66	99.94	99.06	90.81	100.00	99.54
Vodafone	0.08	0.56	99.64	0.13	0.36	0.66	1.82	97.75	0	0.03	0.01	100.00	100.00	100.00	83.99	100.00	100.00	
UPE	Aircel	0.43	2.50	98.56	1.31	1.02	0.73	3.59	96.48	0	0.00	0.00	100.00	100.00	78.06	95.34	100.00	100.00
	Airtel	0.50	0.88	99.49	0.11	0.36	0.56	2.58	98.83	0	0.01	0.00	100.00	100.00	100.00	91.00	100.00	100.00
	BSNL	1.59	1.60	97.30	0.70	1.60	1.39	2.20	96.50	0	0.08	0.07	100.00	100.00	100.00	92.00	100.00	100.00
	Idea	0.21	0.72	98.17	0.93	1.83	0.85	1.87	97.34	0	0.11	0.03	100.00	100.00	100.00	99.14	100.00	100.00
	RCOM CDMA	0.36	1.00	96.79	0.00	0.08	0.40	1.86	99.83	0	0.09	0.03	100.00	100.00	97.91	93.65	100.00	100.00
	RCOM GSM	0.19	0.36	99.33	0.10	0.09	0.32	0.01	98.76	0	0.08	0.10	100.00	100.00	98.86	94.40	100.00	100.00
	TATA CDMA	0.12	0.27	98.21	0.00	0.28	0.51	2.64	99.18	0	0.00	0.00	100.00	100.00	99.32	96.35	100.00	100.00
	TATA GSM	0.11	0.00	97.58	0.31	1.02	0.86	3.18	97.59	0	0.00	0.00	99.66	99.94	99.31	94.76	100.00	99.54
	Telewings	0.77	1.87	97.38	0.89	1.63	0.71	2.38	93.21	0	NA	0.01	100.00	NA	96.58	96.80	NA	NA
Vodafone	0.17	0.81	99.70	0.26	0.29	0.92	2.42	97.13	1	0.05	0.02	100.00	100.00	100.00	95.17	100.00	100.00	
UPW	Aircel	0.21	0.48	99.35	0.56	1.00	0.54	5.08	97.69	0	0.00	0.00	100.00	100.00	97.66	95.03	100.00	100.00
	Airtel	0.44	1.23	98.78	0.40	0.89	1.03	1.92	97.82	0	0.02	0.01	100.00	100.00	100.00	85.00	100.00	100.00
	BSNL	0.94	1.87	96.98	0.60	1.38	1.13	1.93	96.83	0	0.00	0.00	100.00	100.00	99.00	40.89	100.00	100.00
	Idea	0.24	0.83	99.98	0.83	1.46	0.92	2.41	96.01	0	0.02	0.02	100.00	100.00	99.57	96.98	99.36	100.00
	MTS	0.04	0.00	99.58	0.00	0.00	0.40	1.08	99.21	0	0.00	0.00	100.00	100.00	96.57	95.00	100.00	NA
	RCOM CDMA	0.37	1.16	98.27	0.00	0.03	0.30	1.64	99.78	0	0.09	0.03	100.00	100.00	98.14	94.12	100.00	100.00
	RCOM GSM	0.25	0.86	99.53	0.04	0.07	0.30	0.02	98.74	0	0.08	0.10	100.00	100.00	98.13	93.06	100.00	100.00
	TATA CDMA	0.06	0.00	99.07	0.00	0.06	0.42	1.03	98.92	0	0.00	0.00	100.00	100.00	99.14	93.11	100.00	100.00
	TATA GSM	0.23	0.58	98.82	0.09	0.22	0.76	2.24	97.74	0	0.00	0.00	100.00	99.94	99.32	84.47	100.00	99.54
Telewings	0.54	1.88	96.99	0.75	1.62	0.57	2.29	94.75	0	NA	0.02	100.00	NA	96.43	96.43	NA	NA	
Vodafone	0.22	0.78	99.32	0.29	0.68	0.75	1.89	97.61	0	0.06	0.05	100.00	100.00	100.00	97.15	100.00	100.00	
WB	Aircel	1.12	1.85	96.45	0.96	1.94	1.60	2.95	95.38	0	0.00	0.24	100.00	100.00	98.89	89.10	100.00	75.00
	Airtel	0.05	0.05	98.58	0.29	1.68	1.09	1.52	95.76	0	0.01	0.00	100.00	100.00	100.00	90.00	100.00	100.00
	BSNL	2.95	13.52	98.67	0.47	0.63	1.90	7.07	95.93	0	0.03	0.20	85.00	100.00	100.00	81.40	95.03	100.00
	Idea	0.23	1.25	98.60	0.13	0.56	0.43	1.83	96.09	0	0.08	0.02	100.00	100.00	98.80	94.58	100.00	100.00
	MTS	0.33	0.00	99.01	0.00	0.44	0.81	2.08	99.73	0	0.00	0.00	100.00	100.00	99.21	91.04	100.00	100.00
	RCOM CDMA	0.48	1.21	98.56	0.00	0.06	0.25	0.83	99.68	0	0.07	0.04	100.00	100.00	99.18	21.95	100.00	100.00
	RTL	0.40	1.54	98.67	0.03	0.22	0.61	0.07	98.38	0	0.08	0.09	100.00	100.00	98.99	88.02	100.00	100.00
	TATA CDMA	0.03	0.00	98.53	0.00	0.08	0.62	0.61	97.99	0	NA	0.00	100.00	100.00	98.12	98.27	NA	NA
	TATA GSM	0.01	0.00	98.64	0.24	0.52	0.62	0.74	97.94	0	NA	0.00	100.00	99.94	95.61	89.78	NA	100.00
Vodafone	0.05	0.33	99.25	0.18	0.75	0.80	1.92	95.40	0	0.02	0.02	100.00	100.00	100.00	90.76	100.00	100.00	

Note:

NA : Not Applicable NR : Not Reported

RCOM CDMA & RCOM GSM : CN included in TN for Network Related parameters only

RCOM GSM : Percentage of calls answered by the operators has been reported combined for TN and CH for customer related parameters only.

RCOM CDMA : Percentage of calls answered by the operators has been reported combined for WB and KOL for customer related parameters only.

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

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

Performance Monitoring Report on Quality of Service of Cellular Mobile Service Providers for quarter ending, June, 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)	Worst affected Node-B's due to downtime (%age)	Call Set-up Success Rate (within licensee's own)	SDCCH/Paging Channel and RRC Congestion	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	0.13	0.32	99.31	0.42	0.27	0.55	6.35	99.77	0
	Airtel	0.15	0.80	98.95	0.28	0.00	0.60	2.63	99.09	0
	BSNL	1.13	1.90	97.67	0.93	1.23	0.67	2.83	99.83	0
	Idea	0.04	0.16	99.64	0.02	0.04	0.36	0.33	99.80	0
ASM	Aircel	2.76	19.06	97.54	0.94	0.20	1.51	14.59	99.17	0
	Airtel	0.16	0.47	98.07	0.78	0.16	0.66	1.30	99.13	0
	BSNL	1.87	2.00	96.33	0.00	0.00	1.57	2.77	93.93	0
	RTL	0.94	1.32	96.06	0.00	0.00	0.86	1.68	99.83	0
BH	Aircel	0.53	3.88	98.47	0.33	0.10	1.15	12.03	99.44	0
	Airtel	0.07	0.69	99.49	0.03	0.08	0.47	0.30	99.61	0
	BSNL	2.93	2.88	98.50	0.32	0.42	1.43	3.22	95.52	0
	RTL	0.62	1.53	96.46	0.20	0.04	0.85	2.06	99.82	0
CHN	Aircel	0.79	6.13	97.31	0.33	0.42	1.03	7.64	97.71	1
	Airtel	0.09	0.06	99.60	0.09	0.27	0.33	1.98	99.52	0
	BSNL	0.73	1.80	98.00	0.77	0.97	1.03	1.87	96.70	0
	vodafone	0.07	0.22	99.76	0.15	0.04	0.34	0.65	98.99	0
DLI	Airtel	0.31	1.58	98.37	0.18	0.17	0.58	2.22	99.04	0
	MTNL	0.60	1.63	96.00	0.70	1.60	1.47	2.00	96.30	0
	RCOM	0.43	1.38	98.81	0.24	0.38	0.51	1.91	99.70	0
	vodafone	0.15	0.60	98.82	0.02	0.00	0.68	2.86	99.10	0
GUJ	BSNL	1.67	1.67	96.00	0.60	1.03	1.43	2.30	100.00	0
	Idea	0.03	0.00	99.58	0.52	0.30	0.50	1.30	99.09	0
	Tata	0.01	0.00	98.15	0.29	0.86	0.51	0.88	99.74	0
	vodafone	0.03	0.02	99.79	0.13	0.06	0.20	0.34	98.99	0
HP	Airtel	0.04	0.00	98.85	0.26	0.00	1.21	2.40	98.90	0
	BSNL	1.80	1.83	96.33	0.90	1.63	1.73	2.77	95.87	0
	Idea	0.27	0.00	99.23	0.46	0.32	1.31	2.02	98.84	0
	RTL	0.89	1.37	98.42	0.00	0.00	0.35	1.13	99.92	0
HR	BSNL	1.75	1.22	96.78	0.80	1.01	1.73	2.48	96.54	0
	Idea	0.00	0.00	99.80	0.06	0.00	0.25	1.23	99.01	0
	Tata	0.07	0.00	98.61	0.50	0.71	0.25	0.53	99.19	0
	vodafone	0.05	0.14	99.78	0.29	0.06	0.36	0.63	99.03	0
J&K	Aircel	1.21	9.73	98.84	0.33	0.06	1.22	12.37	99.11	0
	Airtel	0.17	0.43	99.18	0.12	0.00	0.88	1.74	99.15	0
	BSNL	0.87	1.83	96.67	0.83	1.33	1.37	2.83	97.50	0
	RCOM	1.17	1.38	99.53	0.01	0.07	1.27	2.20	99.36	0
	Idea	0.17	0.25	99.51	0.62	0.38	1.21	1.92	99.04	0
KOL	Aircel	0.50	1.79	99.69	0.36	0.14	0.31	2.34	99.00	0
	BSNL	1.95	1.90	99.17	0.77	0.80	0.58	2.60	99.30	0
	RTL	0.40	1.67	96.91	0.05	0.00	0.77	1.33	99.84	0
	vodafone	0.05	0.05	99.85	0.01	0.01	0.29	0.49	99.05	0

Annexure 4.2 (Contd.)

KR	Aircel	0.00	0.00	100.00	0.00	0.00	0.03	0.03	99.96	0
	BSNL	0.84	0.74	97.90	0.10	0.77	1.12	0.10	99.89	0
	Idea	0.10	0.11	98.92	0.45	0.38	0.24	1.67	98.43	0
	Tata	0.40	0.00	99.36	0.05	0.14	0.27	0.13	99.82	0
KTK	Aircel	0.19	0.37	98.74	0.77	0.49	0.68	8.06	99.75	1
	Airtel	0.06	0.08	99.01	0.05	0.28	0.28	1.00	99.74	0
	BSNL	1.07	1.83	99.00	0.20	0.30	0.87	1.40	98.20	0
	Tata	0.15	0.74	98.25	0.81	1.11	0.53	1.76	99.14	0
MBI	Airtel	0.01	0.00	99.98	0.00	0.00	0.17	0.03	99.91	0
	mtnl	0.47	1.27	98.17	0.23	0.67	1.27	2.27	99.09	0
	RCOM	0.81	1.36	97.75	0.21	0.50	0.66	1.99	99.67	0
	vodafone	0.01	0.00	99.80	0.00	0.00	0.46	1.37	99.01	0
MH	BSNL	1.93	1.78	95.66	0.00	1.86	1.51	2.77	95.91	0
	Idea	0.05	0.07	99.87	0.73	0.36	1.08	2.87	98.82	0
	Tata	0.01	0.00	96.02	1.30	1.30	0.78	2.87	99.92	0
	vodafone	0.10	0.24	99.60	0.23	0.06	0.32	0.77	98.95	0
MP	BSNL	1.58	1.35	96.18	0.93	1.77	1.46	2.65	97.24	0
	Idea	0.08	0.05	99.37	0.28	0.18	0.90	1.35	99.35	0
	RTL	0.61	1.47	96.50	0.04	0.05	0.60	1.88	99.83	0
	Tata	0.12	0.00	99.35	0.04	0.24	0.49	0.61	99.79	0
NE	Aircel	11.95	58.92	96.91	0.52	0.07	1.67	19.82	99.14	0
	Airtel	1.23	1.34	97.58	0.45	1.10	1.36	1.14	99.09	0
	BSNL	3.43	9.20	94.70	2.48	3.00	1.57	5.13	96.92	0
	RTL	1.33	1.26	96.49	0.01	0.01	1.44	2.02	99.79	0
OR	Aircel	0.64	1.64	99.04	0.07	0.01	1.27	14.91	99.32	0
	BSNL	0.43	1.83	97.00	1.00	1.47	0.90	2.93	98.00	0
	RTL	0.47	1.57	96.87	0.01	0.01	0.64	1.58	99.84	0
PB	Aircel	0.17	0.43	98.64	0.27	0.00	0.76	9.89	97.38	0
	BSNL	0.24	1.65	96.96	0.89	1.48	1.94	2.81	97.08	0
	Idea	0.15	0.16	99.51	0.10	0.09	0.68	2.13	99.59	0
	RCOM	0.65	1.21	98.52	0.10	0.34	0.29	1.72	99.73	0
	Tata	0.13	0.07	99.11	0.68	0.31	0.46	1.93	99.11	1
RAJ	Airtel	0.12	0.31	99.44	0.10	0.08	0.59	2.04	99.09	0
	BSNL	1.90	1.93	98.67	0.00	0.00	1.23	2.57	98.33	0
	RCOM	0.65	1.51	98.54	0.14	0.34	0.29	1.70	99.76	0
	Tata	0.00	0.00	100.00	0.00	0.00	0.00	0.00	100.00	0
TN	Aircel	0.52	1.54	98.36	1.18	0.27	0.78	3.37	98.10	0
	Airtel	0.06	0.04	99.83	0.02	0.08	0.22	1.69	99.73	0
	BSNL	0.30	1.57	98.33	0.00	0.47	0.07	1.13	99.27	0
	vodafone	0.05	0.04	99.86	0.01	0.01	0.32	0.76	99.11	0
UPE	Aircel	0.31	1.21	99.87	0.11	0.01	0.46	5.54	99.90	0
	BSNL	1.83	1.83	95.34	1.00	2.00	1.82	0.00	95.00	0
	Idea	0.58	1.19	99.32	0.02	0.02	0.34	2.80	99.03	0
	vodafone	0.18	1.03	99.88	0.02	0.01	0.23	0.80	99.05	1
UPW	Airtel	0.46	1.73	98.63	0.22	0.01	0.82	2.65	98.95	0
	BSNL	1.51	1.88	97.41	0.89	1.62	1.70	2.92	97.91	0
	Idea	0.41	1.33	99.17	0.51	0.22	0.36	1.61	98.68	0
	Tata	0.23	1.02	99.56	0.33	0.09	0.26	0.55	99.24	0
WB	Aircel	0.75	1.96	99.88	0.23	0.00	0.65	2.83	98.71	0
	Airtel	0.14	0.20	99.54	0.04	0.26	0.45	2.36	99.61	0
	BSNL	1.38	9.54	92.55	0.38	0.83	0.69	0.11	96.00	0
	RTL	0.69	1.39	96.59	0.29	0.00	1.01	1.86	99.83	0
	vodafone	0.22	1.85	99.87	0.00	0.01	0.30	0.63	99.02	0


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

Performance Monitoring Report of Basic Service (Wireline) for Quarter Ending JUNE, 2014																							
Sl. No.	Name of Service Area	Name of Service Provider	Faults incidences No. of faults/100 Subs./month)	Fault Repair			Rent Rebate	Mean Time to Repair (MTTR)	Call Completion Rate (CCR)	Answer to Seizure Ratio	POI	Metering and Billing					Response time to the customer for Assistance		Termination / closure of service				
				% of faults repaired by next working day	% of faults repaired within 3 days	% of faults repaired within 5 days						Point of Interconnection (POI) Congestion (No. of POIs not meeting the	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 60 seconds	%age requests for Termination / Closure of service complied within 7 days	Time taken for refund of deposits after closures			
				≤ 5	By next working day: ≥ 90%	For urban areas: 100%					For rural and hilly areas: 100%										≤ 8 Hrs	≥ 55%	≥ 75 %
				Benchmarks																			
1	A&N	BSNL	2.00%	92.00%	100.00%	100.00%	0	7.00	61.00%	NA	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	97.00%	100.00%	100.00%				
2	AP	Reliance	0.93%	100.00%	100.00%	NA	NA	4.20	NA	86.76%	0.00%	0.00%	NA	100.00%	100.00%	98.00%	97.93%	100.00%	100.00%				
3		TTSL	3.40%	97.22%	100.00%	100.00%	NA	4.64	89.00%	NA	0.00%	0.01%	NA	100.00%	100.00%	91.00%	80.00%	100.00%	100.00%				
4		Vodafone	0.20%	100.00%	NA	NA	NA	0:41	92.18%	NA	0.00%	0.00%	NA	NA	NA	96.74%	93.72%	NA	NA				
5		Bharti	1.89%	95.93%	100.00%	NA	0	3.16	98.28%	NA	0.00%	0.01%	NA	100.00%	100.00%	99.00%	95.00%	100.00%	100.00%				
6		BSNL	4.00%	91.00%	100.00%	100.00%	19	7.00	70.00%	NA	0.00%	0.02%	0.00%	100.00%	100.00%	99.00%	91.00%	100.00%	100.00%				
7		ASM	Vodafone	1.00%	100.00%	NA	NA	NA	0:59	95.35%	NA	0.00%	0.00%	NA	NA	NA	96.74%	93.72%	NA	NA			
8	BH	BSNL	3.00%	97.00%	100.00%	100.00%	229	3.00	70.00%	NA	0.00%	0.06%	0.00%	100.00%	100.00%	99.00%	92.00%	100.00%	100.00%				
9		Reliance	0.00%	100.00%	100.00%	NA	NA	0.00	NA	97.00%	0.00%	0.00%	NA	NA	NA	98.00%	97.93%	100.00%	100.00%				
10		TTSL	0.50%	100.00%	100.00%	100.00%	NA	2.75	91.47%	NA	0.00%	0.03%	NA	100.00%	100.00%	90.00%	80.00%	100.00%	100.00%				
11		Vodafone	1.80%	100.00%	NA	NA	NA	0:43	96.83%	NA	0.00%	0.03%	NA	NA	NA	96.74%	93.72%	NA	NA				
12	Chattisgarh	BSNL	3.00%	95.00%	100.00%	100.00%	0	5.00	66.00%	NA	14.00%	0.00%	0.00%	100.00%	100.00%	99.00%	37.00%	100.00%	100.00%				
13		BSNL	3.00%	98.00%	100.00%	100.00%	813	6.00	72.00%	NA	0.00%	0.00%	NA	100.00%	100.00%	97.00%	64.00%	100.00%	100.00%				
14		CN	Reliance	0.40%	100.00%	100.00%	NA	NA	4.50	NA	87.28%	0.00%	0.00%	NA	100.00%	100.00%	98.00%	97.93%	100.00%	100.00%			
15			TTSL	0.50%	93.00%	100.00%	100.00%	NA	2.50	99.90%	NA	0.00%	0.00%	NA	NA	100.00%	92.00%	81.00%	100.00%	100.00%			
16			Vodafone	0.60%	100.00%	NA	NA	NA	1:28	92.64%	NA	0.00%	0.00%	NA	NA	NA	96.74%	93.72%	NA	NA			
17			BSNL	4.00%	95.00%	100.00%	100.00%	432	7.00	88.00%	NA	0.00%	0.00%	0.00%	100.00%	100.00%	99.00%	91.00%	100.00%	100.00%			
18	DEL	Reliance	0.70%	100.00%	100.00%	NA	NA	4.10	NA	92.48%	0.00%	0.01%	NA	100.00%	100.00%	98.00%	97.93%	100.00%	100.00%				
19		TTSL	2.50%	95.41%	100.00%	100.00%	NA	2.83	89.05%	NA	0.00%	0.02%	NA	100.00%	100.00%	93.00%	81.00%	100.00%	100.00%				
20		Vodafone	0.30%	98.60%	NA	NA	NA	1:50	100.00%	NA	0.00%	0.00%	NA	NA	NA	96.74%	93.72%	100.00%	NA				
21		Bharti	3.90%	92.25%	100.00%	NA	0	2.99	91.85%	NA	0.00%	0.01%	NA	100.00%	100.00%	100.00%	96.00%	100.00%	100.00%				
22		MTNL	7.57%	82.54%	90.75%	NA	17630	4.02	55.61%	NA	0.00%	0.04%	NA	100%	100%	99.99%	99.45%	100%	100%				
23	GUJ	Reliance	1.82%	100.00%	100.00%	NA	NA	4.00	NA	86.30%	0.00%	0.02%	NA	100.00%	100.00%	98.00%	97.93%	100.00%	100.00%				
24		TTSL	2.90%	93.62%	100.00%	100.00%	NA	4.86	90.00%	NA	0.00%	0.01%	NA	100.00%	100.00%	94.00%	84.00%	100.00%	100.00%				
25		Vodafone	1.00%	100.00%	NA	NA	NA	1:35	96.22%	NA	0.00%	0.00%	NA	NA	NA	96.74%	93.72%	NA	NA				
26		Bharti	0.93%	96.86%	100.00%	NA	0	4.05	94.80%	NA	0.00%	0.01%	NA	100.00%	100.00%	100.00%	94.00%	100.00%	100.00%				
27		BSNL	4.00%	96.00%	100.00%	100.00%	205	4.00	74.00%	NA	0.00%	0.02%	0.00%	100.00%	100.00%	96.00%	83.00%	100.00%	100.00%				

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28	HP	Reliance	0.00%	100.00%	100.00%	NA	NA	0.00	NA	79.28%	0.00%	0.00%	NA	NA	NA	98.00%	97.93%	100.00%	100.00%
29		TTSL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30		BSNL	4.00%	95.00%	100.00%	100.00%	0	6.00	71.00%	NA	0.00%	0.00%	0.00%	100.00%	100.00%	97.00%	89.00%	100.00%	100.00%
31	HR	Vodafone	0.00%	100.00%	NA	NA	NA	0.00	95.40%	NA	0.00%	0.00%	NA	NA	NA	96.74%	93.72%	NA	NA
32		Reliance	0.00%	100.00%	100.00%	NA	NA	0.00	NA	81.54%	0.00%	0.00%	NA	NA	NA	98.00%	97.93%	100.00%	100.00%
33		TTSL	0.50%	100.00%	100.00%	100.00%	NA	5.42%	86.53%	NA	0.00%	0.00%	NA	NA	100.00%	92.00%	83.00%	100.00%	100.00%
34		Bharti	4.20%	97.49%	100.00%	NA	0	2.99	91.85%	NA	0.00%	0.01%	NA	100.00%	100.00%	100.00%	97.00%	100.00%	100.00%
35		BSNL	4.00%	98.00%	100.00%	100.00%	392	6.00	79.00%	NA	0.00%	0.08%	0.00%	100.00%	100.00%	97.00%	97.00%	100.00%	100.00%
36	J&K	BSNL	4.00%	96.00%	100.00%	100.00%	0	7.00	71.00%	NA	0.00%	0.00%	0.00%	100.00%	100.00%	96.00%	84.00%	100.00%	100.00%
37	JHAR	BSNL	3.00%	97.00%	100.00%	100.00%	14	6.00	76.00%	NA	0.00%	0.01%	0.00%	100.00%	100.00%	99.00%	97.00%	100.00%	100.00%
38	KER	Vodafone	0.50%	100.00%	NA	NA	NA	1:58	90.00%	NA	NA	NA	NA	NA	NA	96.74%	93.72%	NA	NA
39		Reliance	0.78%	100.00%	100.00%	NA	NA	4.10	NA	75.68%	0.00%	0.01%	NA	100.00%	100.00%	98.00%	97.93%	100.00%	100.00%
40		TTSL	0.10%	100.00%	100.00%	100.00%	NA	7.07	91.55%	NA	0.00%	0.00%	NA	NA	100.00%	91.00%	79.00%	100.00%	100.00%
41		Bharti	1.48%	94.59%	100.00%	NA	0	3.25	98.40%	NA	0.00%	0.01%	NA	100.00%	100.00%	95.00%	96.00%	100.00%	100.00%
42		BSNL	4.00%	91.00%	100.00%	100.00%	152429	7.00	75.00%	NA	15.00%	0.02%	0.00%	100.00%	100.00%	99.00%	98.00%	100.00%	100.00%
43	KOL	Vodafone	0.40%	90.48%	NA	NA	NA	5:37	66.33%	NA	0.00%	0.00%	NA	NA	NA	96.74%	93.72%	NA	NA
44		Reliance	1.16%	100.00%	100.00%	NA	NA	4.10	NA	88.03%	0.00%	0.01%	NA	100.00%	100.00%	98.00%	97.93%	100.00%	100.00%
45		TTSL	1.00%	97.73%	100.00%	100.00%	NA	3.50	89.43%	NA	0.00%	0.00%	NA	100.00%	100.00%	91.00%	77.00%	100.00%	100.00%
46		Bharti	3.29%	91.40%	100.00%	NA	0	5.22	99.07%	NA	0.00%	0.00%	NA	100.00%	100.00%	100.00%	94.00%	100.00%	100.00%
47		BSNL	5.00%	93.00%	100.00%	100.00%	171	7.00	63.00%	NA	0.00%	0.00%	NA	100.00%	100.00%	99.00%	92.00%	100.00%	100.00%
48	KTK	Vodafone	0.60%	99.03%	NA	NA	NA	1:09	88.08%	NA	0.00%	0.00%	NA	NA	NA	96.74%	93.72%	100.00%	NA
49		Reliance	1.24%	100.00%	100.00%	NA	NA	4.10	NA	85.86%	0.00%	0.01%	NA	100.00%	100.00%	98.00%	97.93%	100.00%	100.00%
50		TTSL	0.70%	96.10%	100.00%	100.00%	NA	3.45	85.70%	NA	0.00%	0.00%	NA	100.00%	100.00%	93.00%	81.00%	100.00%	100.00%
51		Bharti	2.66%	91.98%	100.00%	NA	0	3.85	98.96%	NA	0.00%	0.01%	NA	100.00%	100.00%	99.00%	95.00%	100.00%	100.00%
52		BSNL	4.00%	94.00%	100.00%	100.00%	2255	6.00	72.00%	NA	0.00%	0.09%	NA	100.00%	100.00%	98.00%	65.00%	100.00%	100.00%
53	MH	Bharti	0.74%	99.02%	100.00%	NA	0	2.56	91.06%	NA	0.00%	0.01%	NA	100.00%	100.00%	100.00%	95.00%	100.00%	100.00%
54		BSNL	4.00%	91.00%	100.00%	100.00%	192	6.00	58.00%	NA	7.00%	0.01%	0.00%	100.00%	100.00%	95.00%	96.00%	100.00%	100.00%
55		Reliance	1.49%	100.00%	100.00%	NA	NA	4.20	NA	85.33%	0.00%	0.01%	NA	100.00%	100.00%	98.00%	97.93%	100.00%	100.00%
56		Vodafone	0.10%	100.00%	NA	NA	NA	2:54	90.65%	NA	0.00%	0.00%	NA	NA	NA	96.74%	93.72%	NA	NA
57		TTSL	1.20%	94.90%	100.00%	100.00%	NA	5.03	88.27%	NA	0.00%	0.01%	NA	100.00%	100.00%	79.00%	60.00%	100.00%	100.00%
58	MP	Vodafone	0.70%	100.00%	NA	NA	NA	0:34	98.21%	NA	0.00%	0.00%	NA	NA	NA	96.74%	93.72%	NA	NA
59		Reliance	1.72%	100.00%	100.00%	NA	NA	4.10	NA	85.36%	0.00%	0.01%	NA	100.00%	100.00%	98.00%	97.93%	100.00%	100.00%
60		TTSL	2.40%	97.00%	100.00%	100.00%	NA	1.87	86.52%	NA	0.00%	0.00%	NA	NA	100.00%	92.00%	81.00%	100.00%	100.00%
61		Bharti	4.74%	92.10%	100.00%	NA	0	4.39	98.21%	NA	0.00%	0.01%	NA	100.00%	100.00%	100.00%	97.00%	100.00%	100.00%
62		BSNL	4.00%	91.00%	100.00%	100.00%	845	3.00	71.00%	NA	0.00%	0.10%	0.00%	100.00%	100.00%	96.00%	97.00%	100.00%	100.00%
63	MUM	Vodafone	0.20%	100.00%	NA	NA	NA	1:21	97.02%	NA	0.00%	0.00%	NA	NA	NA	96.74%	93.72%	NA	NA
64		Bharti	0.34%	98.20%	100.00%	NA	0	3.56	94.96%	NA	0.00%	0.00%	NA	100.00%	100.00%	100.00%	94.00%	100.00%	100.00%
65		MTNL	4.17%	93.41%	97.53%	NA	18394	5.74	NA	80.33%	0.00%	0.02%	NA	100.00%	NA	99.49%	99.47%	98.54%	100%
66		Reliance	1.35%	100.00%	100.00%	NA	NA	4.1	NA	88.04%	0.00%	0.02%	NA	100.00%	100.00%	98.00%	97.93%	100.00%	100.00%
67		TTSL	2.20%	95.80%	100.00%	100.00%	NA	5.37	93.64%	NA	0.00%	0.01%	NA	100.00%	100.00%	90.00%	73.00%	100.00%	100.00%

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68	NE	Vodafone	0.00%	100.00%	NA	NA	NA	NA	99.18%	NA	0.00%	0.00%	NA	NA	NA	96.74%	93.72%	NA	NA
69	NE-I	BSNL	3.00%	98.00%	100.00%	100.00%	0	6.00	77.00%	NA	0.00%	0.02%	0.00%	100.00%	100.00%	97.00%	91.00%	100.00%	100.00%
70	NE-II	BSNL	3.00%	98.00%	100.00%	100.00%	2893	6.00	64.00%	NA	0.00%	0.00%	0.00%	100.00%	100.00%	95.00%	92.00%	100.00%	100.00%
71	OR	Reliance	0.00%	100.00%	100.00%	NA	NA	0.00	NA	80.50%	0.00%	0.00%	NA	100.00%	NA	98.00%	97.93%	100.00%	100.00%
72		TTSL	1.40%	92.00%	100.00%	100.00%	NA	4.81	99.98%	NA	0.00%	0.00%	NA	NA	100.00%	92.00%	81.00%	100.00%	100.00%
73		BSNL	5.00%	93.00%	100.00%	100.00%	0	6.00	64.00%	NA	0.00%	0.09%	0.00%	100.00%	100.00%	99.00%	92.00%	100.00%	100.00%
74		Vodafone	1.20%	100.00%	NA	NA	NA	0:58	96.80%	NA	0.00%	0.00%	NA	NA	NA	96.74%	93.72%	NA	NA
75	PB	Vodafone	0.90%	100.00%	NA	NA	NA	0:24	96.46%	NA	0.00%	0.00%	NA	NA	NA	96.74%	93.72%	100.00%	NA
76		Reliance	1.37%	100.00%	100.00%	NA	NA	4.10	NA	93.73%	0.00%	0.02%	NA	100.00%	100.00%	98.00%	97.93%	100.00%	100.00%
77		TTSL	1.90%	95.50%	100.00%	100.00%	NA	4.07	84.46%	NA	0.00%	0.00%	NA	NA	100.00%	92.00%	81.00%	100.00%	100.00%
78		Bharti	2.97%	96.39%	100.00%	NA	0	3.52	95.93%	NA	0.00%	0.01%	NA	100.00%	100.00%	95.00%	96.00%	100.00%	100.00%
79		Quadrant	2.80%	98.80%	100.00%	NA		5.35	55.94%	NA	0.00%	0.01%	NA	100.00%	100.00%	95.87%	92.00%	100.00%	100.00%
80	RAJ	BSNL	4.00%	96.00%	100.00%	100.00%	131	5.00	75.00%	NA	0.00%	0.05%	0.00%	100.00%	100.00%	97.00%	58.00%	100.00%	100.00%
81		Reliance	0.70%	100.00%	100.00%	NA	NA	4.20	NA	92.94%	0.00%	0.01%	NA	100.00%	100.00%	98.00%	97.93%	100.00%	100.00%
82		TTSL	0.00%	NA	NA	NA	NA	0.00	89.41%	NA	0.00%	0.00%	NA	NA	100.00%	92.00%	80.00%	100.00%	100.00%
83		Vodafone	0.80%	100.00%	NA	NA	NA	1:06	96.94%	NA	0.00%	0.00%	NA	NA	NA	96.74%	93.72%	NA	NA
84		Bharti	2.29%	95.61%	100.00%	NA	0	3.40	97.44%	NA	0.00%	0.00%	NA	100.00%	100.00%	100.00%	97.00%	100.00%	100.00%
85		Sistema	1.69%	96.90%	100.00%	100.00%	0	6.05	91.31%	NA	0.00%	0.02%	0.00%	100.00%	100.00%	99.28%	95.03%	100.00%	100.00%
86		BSNL	4.00%	97.00%	100.00%	100.00%	421	5.00	72.00%	NA	0.00%	0.00%	0.00%	100.00%	100.00%	97.00%	18.00%	100.00%	100.00%
87		TN	Reliance	1.22%	100.00%	100.00%	NA	NA	4.20	NA	88.18%	0.00%	0.00%	NA	100.00%	100.00%	98.00%	97.93%	100.00%
88	TTSL		0.30%	100.00%	100.00%	100.00%	NA	3.13	86.88%	NA	0.00%	0.00%	NA	NA	100.00%	94.00%	87.00%	100.00%	100.00%
89	Vodafone		1.90%	100.00%	NA	NA	NA	0:42	91.03%	NA	0.00%	0.00%	NA	NA	NA	96.74%	93.72%	NA	NA
90	Bharti		1.93%	93.50%	100.00%	NA	0	3.53	98.50%	NA	0.00%	0.02%	NA	100.00%	100.00%	100.00%	95.00%	100.00%	100.00%
91	BSNL		3.00%	95.00%	100.00%	100.00%	786	7.00	92.00%	NA	0.00%	0.05%	0.00%	100.00%	100.00%	99.00%	90.00%	100.00%	100.00%
92	UPE	Reliance	0.63%	100.00%	100.00%	NA	NA	4.20	NA	90.84%	0.00%	0.02%	NA	100.00%	100.00%	98.00%	97.93%	100.00%	100.00%
93		TTSL	3.00%	100.00%	100.00%	100.00%	NA	1.80	100.00%	NA	0.00%	0.00%	NA	NA	100.00%	92.00%	82.00%	100.00%	100.00%
94		Vodafone	1.10%	100.00%	NA	NA	NA	0:52	94.73%	NA	0.00%	0.00%	NA	NA	NA	96.74%	93.72%	NA	NA
95		Bharti	4.52%	92.98%	100.00%	NA	0	4.24	92.74%	NA	0.00%	0.00%	NA	100.00%	100.00%	100.00%	96.00%	100.00%	100.00%
96		BSNL	3.00%	95.00%	100.00%	100.00%	712	5.00	71.00%	NA	0.00%	0.06%	0.00%	100.00%	100.00%	96.00%	6.00%	100.00%	100.00%
97	UPW	Reliance	0.00%	100.00%	100.00%	NA	NA	0.00	NA	91.92%	0.00%	0.00%	NA	NA	NA	98.00%	97.93%	100.00%	100.00%
98		TTSL	0.00%	NA	NA	NA	NA	0.00	100.00%	NA	0.00%	0.00%	NA	NA	100.00%	92.00%	82.00%	100.00%	100.00%
99		Vodafone	0.10%	100.00%	NA	NA	NA	0:00	96.23%	NA	0.00%	0.00%	NA	NA	NA	96.74%	93.72%	NA	NA
100		Bharti	3.76%	97.21%	100.00%	NA	0	3.24	98.54%	NA	0.00%	0.00%	NA	100.00%	100.00%	97.00%	96.00%	100.00%	100.00%
101		BSNL	5.00%	96.00%	100.00%	100.00%	558	6.00	72.00%	NA	0.00%	0.09%	0.00%	100.00%	100.00%	97.00%	82.00%	100.00%	100.00%
102	Uttaranchal	BSNL	4.00%	97.00%	100.00%	100.00%	147	5.00	69.00%	NA	0.00%	0.00%	0.00%	100.00%	100.00%	98.00%	63.00%	100.00%	100.00%
103	WB	Reliance	0.00%	100.00%	100.00%	NA	NA	0.00	NA	80.86%	0.00%	0.00%	NR	NA	NA	98.00%	97.93%	100.00%	100.00%
104		TTSL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
105		BSNL	4.00%	92.00%	100.00%	100.00%	845	6.00	72.00%	NA	0.00%	0.09%	0.00%	100.00%	100.00%	99.00%	87.00%	100.00%	100.00%
		 Benchmark not met					NR - Data Not Reported				NA - Not Applicable								

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 June, 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 (for wired broadband access) in %age	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)	Broadband Connection Speed available (download) from ISP node to user			Reference point at POP/ISP Gateway node to IGSP/NIXI	User reference point at ISP Gateway node to International nearest NAP port abroad (terrestrial)	User reference point at ISP Gateway node to International nearest NAP port abroad (satellite)
			100%	>90%	=>99%	in nos.	<2%	100%	100% within 60 days	>60%	>80%	0	0	<90%	>80%			>98%	<1%	<120 ms
1	BSNL	All India	100.00%	93.64%	99.63%	78244	0.11%	100.00%	100.00%	64.85%	69.18%	0	0	69.60%	90.64%	99.74%	0.10%	26	198	0
2	Bharti Airtel	Andhra Pradesh	100.00%	93.51%	100.00%	0	0.00%	100.00%	100.00%	94.00%	95.00%	0	0	46.89%	100.00%	100.00%	0.00%	35	48	NA
		Delhi	100.00%	94.59%	99.24%	817	0.01%	100.00%	100.00%	88.00%	90.00%	0	0	83.21%	100.00%	99.98%	0.00%	30	76	NA
		Gujarat	100.00%	95.40%	99.44%	18	0.01%	100.00%	100.00%	92.00%	95.00%	0	NA	NA	100.00%	100.00%	0.01%	30	61	NA
		Haryana	100.00%	96.90%	99.54%	8	0.01%	100.00%	100.00%	94.00%	96.00%	0	NA	NA	100.00%	100.00%	0.00%	31	77	NA
		Karnataka	100.00%	92.47%	100.00%	0	0.01%	100.00%	100.00%	90.00%	91.00%	0	0	69.96%	100.00%	100.00%	0.00%	28	38	NA
		Kerala	100.00%	92.31%	99.91%	1	0.01%	100.00%	100.00%	94.00%	95.00%	0	NA	NA	100.00%	100.00%	0.00%	43	32	NA
		Kolkata	100.00%	93.50%	99.24%	69	0.01%	100.00%	100.00%	89.00%	91.00%	0	0	56.97%	100.00%	99.99%	0.00%	26	75	NA
		Madhya Pradesh & Chattisgarh	100.00%	92.46%	99.23%	185	0.01%	100.00%	100.00%	95.00%	97.00%	0	0	65.73%	99.58%	99.94%	0.00%	74	69	NA
		Maharashtra	100.00%	97.10%	99.17%	20	0.01%	100.00%	100.00%	94.00%	95.00%	0	NA	NA	100.00%	99.99%	0.08%	43	61	NA
		Mumbai	100.00%	97.93%	99.69%	14	0.01%	100.00%	100.00%	93.00%	94.00%	0	0	69.32%	100.00%	99.98%	0.09%	28	61	NA
		Punjab	100.00%	97.30%	99.78%	14	0.01%	100.00%	100.00%	91.00%	94.00%	0	0	52.60%	100.00%	99.99%	0.00%	37	87	NA
Rajasthan	100.00%	98.26%	99.79%	4	0.00%	100.00%	100.00%	94.00%	95.00%	0	NA	NA	100.00%	100.00%	0.00%	36	77	NA		
Tamilnadu	100.00%	93.06%	99.97%	6	0.01%	100.00%	100.00%	92.00%	93.00%	0	0	70.48%	100.00%	99.98%	0.00%	17	32	NA		
Uttar Pradesh - East	100.00%	95.12%	99.37%	34	0.00%	100.00%	100.00%	90.00%	92.00%	0	NA	NA	100.00%	99.99%	0.00%	34	77	NA		
Uttar Pradesh - West	100.00%	97.33%	99.65%	6	0.01%	100.00%	100.00%	94.00%	95.00%	0	NA	NA	100.00%	99.99%	0.00%	32	77	NA		
3	MTNL	Delhi & Mumbai	98.46%	85.79%	94.96%	28341	0.041%	100.00%	100.00%	89.83%	93.05%	0	0	83.59%	90.00%	99.85%	0.55%	43	304	NA
4	Beam Telecom	Hyderabad	100.00%	83.00%	97.67%	5781	2.00%	100.00%	NA	42.00%	55.00%	0	0	65.00%	90.00%	99.00%	1.00%	50	300	NA
5	You Broadband	All India	97.00%	93.00%	99.00%	442	0.00%	100.00%	100.00%	85.00%	90.00%	NA	0	71.86%	87.13%	98.88%	0.00%	9	276	NA
6	Hathway Cable & Datacom Ltd.	Andhra Pradesh	100.00%	84.00%	99.00%	202	1.83%	100.00%	100.00%	73.00%	81.00%	0	0	78.00%	90.00%	99.83.00%	1.00%	75	320	NA
		Delhi	100.00%	95.00%	99.00%	100	0.80%	100.00%	100.00%	69.00%	86.00%	0	0	88.00%	85.00%	99.00%	1.00%	80	285	NA
		Gujarat	97.00%	90.00%	96.00%	0	0.00%	NA	NA	67.00%	94.00%	0	0	78.00%	90.00%	100.00%	1.00%	80	270	NA
		Karnataka	100.00%	94.00%	99.00%	27	1.85%	100.00%	100.00%	73.00%	86.00%	0	0	79.00%	90.00%	99.54%	1.00%	75	350	NA
		Maharashtra	100.00%	94.00%	99.00%	1633	0.97%	100.00%	100.00%	71.00%	80.00%	0	0	78.00%	90.00%	99.00%	1.00%	50	280	NA
		Punjab	100.00%	95.00%	99.00%	11	0.58%	100.00%	100.00%	63.00%	99.00%	0	0	87.00%	85.00%	100.00%	1.00%	70	300	NA
		Goa	100.00%	92.00%	99.00%	0	0.00%	NA	NA	72.00%	94.00%	0	0	77.00%	90.00%	98.00%	1.00%	50	250	NA
		Uttar Pradesh	100.00%	94.00%	99.00%	0	0.67%	100.00%	100.00%	DNF	DNF	0	NA	88.00%	85.00%	99.00%	1.00%	70	270	NA
Chhatisgarh	100.00%	99.00%	100.00%	0	1.01%	100.00%	100.00%	99.00%	99.00%	0	0	75.00%	85.00%	100.00%	1.00%	70	310	NA		
7	Quadrant	Punjab	100.00%	97.29%	99.95%	0	0.01%	100.00%	100.00%	69.67%	84.33%	0	0	79.00%	100.00%	99.85%	0.00%	80	280	NA
8	Asianet Satellite	Kerala	100.00%	90.42%	99.57%	0	0.86%	100.00%	100.00%	62.64%	82.54%	0	0	60.65%	90.00%	99.60%	1.00%	50	270	NA
9	Reliance Com (RCIL)	All India	100.00%	100.00%	100.00%	NA	0.18%	100.00%	100.00%	95.00%	98.00%	0	0	40.38%	91.00%	99.57%	0.55%	DNF	DNF	DNF
10	Atria Convergence	All India	92.00%	69.00%	90.00%	6266	0.48%	100.00%	Nil	50.00%	56.00%	0	0	89.00%	95.00%	98.20%	1.00%	22	236	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%	91.30%	100.00%	0	0.00%	100.00%	NA	74.00%	81.00%	0	0	77.67%	96.21%	99.09%	0.00%	77	190	NA
13	D-Vois Broadband	All India	100.00%	97.82%	100.00%	0	0.70%	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%	91.69%	99.08%	16	0.00%	100.00%	100.00%	100.00%	100.00%	0	0	76.00%	95.00%	99.98%	0.00%	97	259	0
		Kolkata	100.00%	91.34%	99.42%	13	0.00%	100.00%	100.00%	100.00%	100.00%	0	0	79.00%	94.00%	99.93%	0.00%	99	245	0
		Madhya Pradesh	100.00%	90.99%	99.10%	55	0.00%	100.00%	100.00%	100.00%	100.00%	0	0	76.00%	93.00%	99.94%	0.00%	96	289	0
		Orissa	100.00%	91.33%	99.05%	742	0.00%	100.00%	100.00%	100.00%	100.00%	0	0	78.00%	94.00%	99.70%	0.00%	98	263	0

Annexure 4.4 (Contd.)

15	Broadband Pacenet India Pvt. Ltd.	Mumbai	100.00%	92.00%	99.00%	38	0.00%	100.00%	NA	86.00%	93.00%	0	0	86.00%	DNF	99.00%	0.55%	79	285	NA	
		Mumbai-Pune	100.00%	92.00%	100.00%	13	0.00%	100.00%	NA	83.00%	91.00%	0	0	83.00%	DNF	99.00%	1.00%	50	280	NA	
		All India	100.00%	92.00%	99.00%	34	1.00%	NA	NA	86.00%	92.00%	0	0	78.00%	DNF	99.00%	1.00%	75	310	NA	
		Madhya Pradesh	100.00%	92.00%	100.00%	9	0.00%	100.00%	NA	82.00%	92.00%	0	0	64.00%	DNF	99.00%	1.00%	50	280	NA	
		Gujarat	100.00%	93.00%	100.00%	16	1.00%	100.00%	NA	84.00%	90.00%	0	0	77.00%	DNF	99.00%	1.00%	50	280	NA	
		Rajasthan	100.00%	91.00%	100.00%	0	1.00%	NA	NA	86.00%	92.00%	0	0	77.27%	DNF	99.00%	1.00%	50	280	NA	
		Delhi	100.00%	92.00%	100.00%	0	1.00%	NA	NA	92.00%	88.00%	0	0	64.23%	DNF	98.00%	1.00%	50	280	NA	
		Andhra Pradesh	100.00%	92.00%	99.00%	13	2.00%	100.00%	NA	85.00%	92.00%	0	0	84.00%	DNF	99.00%	1.00%	50	280	NA	
		Maharashtra	100.00%	96.00%	100.00%	Nil	0.00%	100.00%	NA	NA	NA	0	0	83.33%	99.00%	100.00%	1.00%	1	47	80	
		Mumbai	100.00%	96.33%	100.00%	0	0.00%	100.00%	NA	NA	NA	0	0	74.00%	99.00%	100.00%	0.00%	1	47	80	
16	Syscon Infoway Pvt. Ltd.	Mumbai	100.00%	96.33%	100.00%	0	0.00%	100.00%	NA	NA	NA	0	0	74.00%	99.00%	100.00%	0.00%	1	47	80	
17	Gujarat Telelink (GTPL)	Gujarat	100.00%	97.00%	99.00%	254	0.25%	100.00%	NA	97.00%	99.00%	NA	0	81.00%	91.00%	99.00%	0.00%	11	300	NA	
18	Tata (TCL)	Andhra Pradesh	NA	93.00%	98.00%	463	0.01%	100.00%	NA	72.00%	77.00%	0	0	60.26%	80.00%	99.25%	0.00%	50	245	NA	
		Assam	NA	NA	NA		0.13%	100.00%	NA												99.82%
		Delhi & NCR	NA	96.00%	99.00%		0.09%	100.00%	100.00%												99.91%
		Gujarat & Daman & Diu	NA	93.00%	98.00%		0.00%	100.00%	NA												98.29%
		Haryana	NA	95.00%	99.00%		0.00%	100.00%	NA												99.63%
		Himachal Pradesh	NA	88.00%	94.00%		0.00%	100.00%	NA												99.38%
		Jammu & Kashmir	NA	NA	NA		NA	NA	NA												99.34%
		Karnataka	NA	93.00%	98.00%		0.01%	100.00%	100.00%												99.76%
		Kerala & Lakshadweep	NA	90.00%	98.00%		0.08%	100.00%	100.00%												97.04%
		Madhya Pradesh & Chattisgarh	NA	89.00%	99.00%		0.30%	100.00%	NA												98.11%
		Maharashtra & Goa	100.00%	92.00%	97.00%		0.08%	100.00%	100.00%												97.65%
		Mumbai	100.00%	93.00%	98.00%		0.11%	100.00%	NA												98.88%
		North Eastern	NA	NA	NA		NA	NA	NA												NA
		Orissa	NA	NA	NA		NA	NA	NA												99.94%
		Punjab	NA	97.00%	99.00%		0.00%	100.00%	NA												99.81%
		Rajasthan	NA	94.00%	95.00%		0.00%	100.00%	NA												99.85%
		Tamil Nadu & Pondicherry	NA	95.00%	99.00%		0.13%	100.00%	100.00%												98.36%
		Uttar Pradesh - East	NA	96.00%	99.00%		0.00%	100.00%	NA												99.63%
		Uttar Pradesh - West	NA	95.00%	97.00%		0.12%	100.00%	NA												99.82%
		West Bengal	NA	NA	NA		NA	NA	NA												99.72%
Kolkata	NA	93.00%	99.00%	0.12%	100.00%	100.00%	98.99%														
Bihar & Jharkhand	NA	50.00%	50.00%	0.00%	100.00%	NA	99.88%														
19	Citycom Networks	All India	100.00%	91.00%	99.00%	0	0.64%	100.00%	100.00%	86.00%	90.00%	0	0	60.00%	86.46%	99.70%	1.00%	4	175	NA	
20	Indusind Media	All India	100.00%	97.00%	99.00%	65	0.00%	100.00%	100.00%	100.00%	100.00%	0	0	81.40%	80.00%	98.00%	1.00%	45	260	NA	
21	Tata (TTSL)	All India (Pan India)	100.00%	95.62%	100.00%	0	0.004%	100.00%	NA	79.84%	86.24%	0	0	86.71%	94.80%	99.47%	0.00%	54	143.44	NA	
22	Noida Software (NSTPL)	All India	100.00%	100.00%	NA	0	NA	NA	NA	85.00%	100.00%	NA	NA	NA	98.00%	99.27%	1.00%	15	200	NA	
23	Home Systems	Mumbai	100.00%	97.00%	99.99%	NA	0.00%	100.00%	NA	81.00%	92.00%	0	0	75.00%	95.00%	98.00%	0.01%	50	295	NA	
24	Digital Network	Maharashtra & Goa	100.00%	91.17%	99.35%	0	0.63%	100.00%	Nil	61.00%	82.05%	0	0	80.00%	80.00%	99.59%	1.00%	4	255	NA	
25	Siti Cable	All India	100.00%	90.00%	100.00%	32	0.00%	100.00%	100.00%	69.00%	100.00%	0	0	82.00%	95.00%	98.88%	0.30%	55	280	NA	
26	Alliance Broadband	Kolkata	100.00%	95.00%	100.00%	0	4.21%	100.00%	Nil	65.00%	89.00%	0	0	DNF	DNF	99.00%	1.00%	NA	NA	NA	
27	Vasai Cable	Mumbai	100.00%	93.40%	99.54%	0	0.78%	100.00%	Nil	65.87%	81.27%	0	0	80.00%	80.00%	99.68%	1.00%	4	255	NR	
28	Southern (SOBTL)	Andhra Pradesh	100.00%	99.00%	100.00%	0	0.00%	100.00%	100.00%	95.00%	100.00%	0	0	75.00%	95.00%	99.99%	0.05%	100	300	500	
29	Rajesh Multichannel	Mumbai	100.00%	95.00%	100.00%	0	0.00%	100.00%	Nil	92.00%	87.00%	0	0	86.00%	85.00%	98.00%	0.00%	50	250	500	
30	Wish Net Pvt. Ltd.	West Bengal	100.00%	98.92%	100.00%	0	0.18%	100.00%	NA	80.67%	97.33%	0	0	71.16%	DNF	99.00%	1.00%	NA	NA	NA	
		Kolkata	100.00%	98.92%	100.00%	0	0.04%	100.00%	NA	81.00%	97.67%	0	0	74.42%	DNF	99.00%	1.00%	NA	NA	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 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, HAIR OM 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, Jamnagar,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 uzhaveoor 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 Sri Rajaganapathi Cable Network No.9/140/2013-BP&L	205-A, Sewa Complex, MRK, Salai India Nagar, Neyveli, 607801.	District of Cuddalore in the State of Tamil Nadu	Permanent (For 10 years) Registration given on 30.06.2014
101.	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
102.	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

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	9XM	07.00
153	9X Jhakaas	05.00
154	9XO	05.00
155	9X Jalwa	05.00
156	Sahara One	20.50
157	Filmy	16.50
158	B4U Movies	06.65
159	MAA TV	06.00
160	MAA Music	07.50

Annexure 5.2 (contd.)

S.No	Name of the channel	Reported Rates(in INR)
161	MAA Movies	18.50
162	MAA Gold	11.00
163	Dilli Aaj Tak	08.50
164	E-24	15.00
165	Toonami	13.37
166	Tarang	10.70
167	Tarang Music	05.00
168	Prarthana	05.00
169	Ten Sports	16.05
170	Ten Cricket	35.45
171	Ten Action	35.00
172	BIG CBS PRIME	14.00
173	BIG CBS LOVE	11.00
174	BIG CBS SPARK	11.00
175	BIG CBS Spark Punjabi	11.00
176	BIG MAGIC	11.00
177	Bloomberg UTV	08.50
178	9X Tashan	05.00
179	Sarthak TV	09.50
180	Jaya TV	09.00
181	Jaya Plus	04.00
182	Jaya Max	06.00
183	J Movies	06.00
184	Mega TV	05.00
185	Mega Musiq	05.00
186	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 OPERATIONA-LISATION
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 OPERATION- LISATION
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-00
2	SUN TV LTD.	R S NO. 4288/72, 73 & 116, BLOCK NO. 94, MRC NAGAR CHENNAI-600018	CHENNAI	12-Mar-01
3	ENTERTAINMENT TELEVISION NETWORK PVT. LTD	7B, SHAH INDUSTRIAL ESTATE, OFF VEERA DESAI ROAD, ANDHERI W , MUMBAI-400053	MUMBAI	23-May-01
4	USHODAYA ENTERPRISES LTD.	6-3-570, EENADU COMPLEX, SOMAJIGUDA, HYDERABAD- 500082	HYDERABAD	23-May-01
5	ESSEL SHYAM COMMUNICATION LIMITED	C-34, SECTOR-62, ELECTRONIC CITY, NOIDA-201307	NOIDA	3-Sep-01
6	ASIANET INFRASTRUCTURE PVT. LTD.	ASIANET STUDIO/COMPLEX, PULIYARAKONAM P.O. THIRUVANANTHAPURAM KERALA	THIRUVANANTHAPURAM	17-Oct-01
7	ESSEL SHYAM COMMUNICATION LTD	C-34, ELECTRONIC CITY, SECTOR-62, NOIDA-201307	NOIDA-2	7-Feb-02
8	SAHARA SANCHAR LIMITED	SAHARA INDIA COMPLEX, C-2, C-3, SECTOR-XI NOIDA-201301	NOIDA	12-Feb-02
9	TELEVISION EIGHTEEN INDIA LIMITED	VIDEOCON TOWER, E-1 RANI JHANSI ROAD, JHANDEWALAN EXTN., NEW DELHI-110055	NEW DELHI	18-Mar-02
10	NEW DELHI TELEVISION LTD. (NDTV)	ARCHANA COMPLEX, GREATER KAILASH-I, NEW DELHI-110048	NEW DELHI	11-Jun-02
11	INDIAVISION COMMUNICATIONS LTD.	SATELLITE TATU'S TOWER, 32/1787, PADIVATTOM, NH BY-PASS ROAD, KOCHI (KERALA) 682024	KOCHI -KERALA	7-Nov-02
12	NOIDA SOFTWARE TECHNOLOGY PARK LTD.	B-23-25, POCKET-C, SURAJPUR INDUSTRIAL AREA, GREATER NOIDA(U.P)	GREATER NOIDA	27-Jan-03
13	DISH TV INDIA LIMITED (Formerly known ASC Enterprises Ltd.)	FC-19, SECTOR-16A, NOIDA- 201301 (U.P.)	NOIDA	2-Apr-03
14	POSITIVE TELEVISION PVT. LTD.	7 C, DOCTORS LANE, GOL MARKET, NEW DELHI-110001	GUWAHATI	9-Jun-03
15	CHANNEL GUIDE INDIA LTD.	BOKADIA MANSION, 3RD FLOOR,229, PRINCESS STREET, MUMBAI	MUMBAI	15-Sep-03
16	INDIASIGN PVT. LTD.	A-49, SECTOR-18, ELECTRONICS CITY, HARTRON COMPLEX, GURGAON(HARYANA)	GURGAON	18-Nov-03
17	ASSOCIATED BROADCASTING PVT. LTD.	CO.NO.97, ROAD NO.3, BANJARA HILLS, HYDERABAD- 500034	HYDERABAD	24-Nov-03
18	AV ENTERTAINMENT PVT. LTD.	240, ZONE-I, M.P.NAGER, BHOPAL(M.P)	BHOPAL	15-Dec-03

Annexure 5.5 (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, KOLKATTA WEST BANGAL	KOLKATA	15-Jun-07
54	INDIASIGN PVT. LTD.		CHENNAI	15-Jun-07
55	RACHANA TELEVISION PVT. LTD.	PLOT NO. 564-A-19-III, ROAD NO.92, JUBILEE HILLS, HYDERABAD-500033	HYDERABAD	15-Jun-07
56	ORTEL COMMUNICATIONS LTD.	ORTEL COMMUNICATIONS LTD. B-7/122 A, SAFDARJUNG ENCLAVE, NEW DELHI-110029	BHUBANESHWER	25-Jun-07
57	SOWBHAGYA EXPORTS LTD.	SOWBHAGYA EXPORTS LTD. 77/14 SKD NAGER, SRINAGER COLONY HYDERABAD-500073 ANDHRA PRADESH	HYDERABAD	4-Jul-07
58	ESSEL SHYAM COMMUNICATION LTD.	C-138, NARAINA INDUSTRIAL AREA-I, AROOR NEW 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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