



Telecom Regulatory Authority of India

The Indian Telecom Services Performance Indicators October - December, 2014

New Delhi, India
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Snapshot

(Data As on 31st December, 2014)

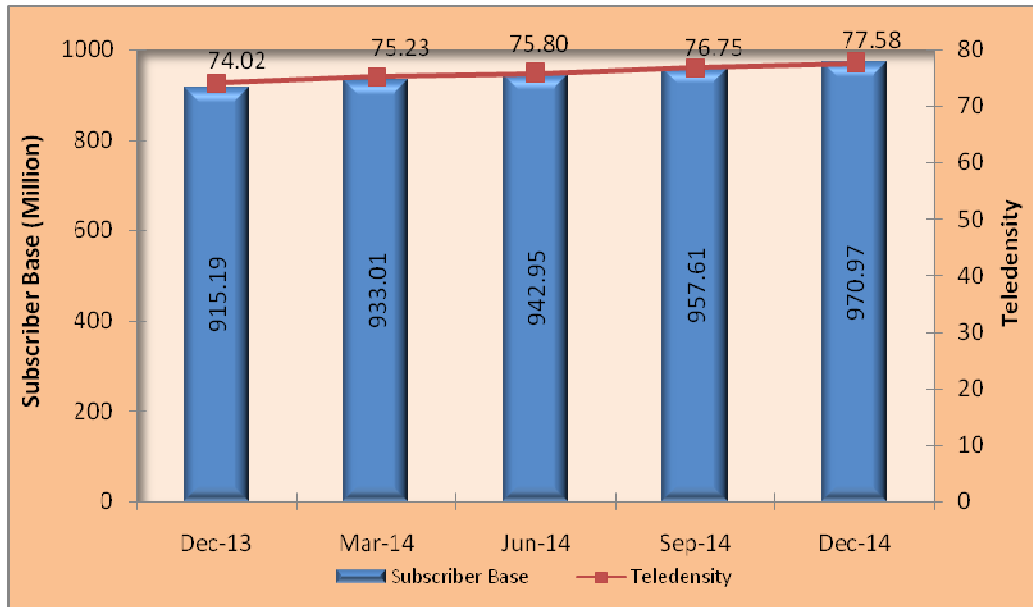
Telecom Subscribers (Wireless + Wireline)	
Total Subscribers	970.97 Million
% change over the previous quarter	1.40%
Urban Subscribers	572.29 Million
Rural Subscribers	398.68 Million
Market share of Private Operators	89.16%
Market share of PSU Operators	10.84%
Teledensity	77.58
Urban Teledensity	148.06
Rural Teledensity	46.09
Wireless Subscribers	
Total Wireless Subscribers	943.97 Million
% change over the previous quarter	1.48%
Urban Subscribers	550.64 Million
Rural Subscribers	393.34 Million
GSM Subscribers	890.78 Million
CDMA Subscribers	53.19 Million
Market share of Private Operators	91.01%
Market share of PSU Operators	8.99%
Tele-density	75.43
Urban Tele-density	142.46
Rural Tele-density	45.47
Wireline Subscribers	
Total Wireline Subscribers	27.00 Million
% change over the previous quarter	-1.48%
Urban Subscribers	21.66 Million
Rural Subscribers	5.34 Million
Market share of Private Operators	24.24%
Market share of PSU Operators	75.76%
Tele-density	2.16
Urban Tele-density	5.60
Rural Tele-density	0.62
No. of Village Public Telephones (VPT)	5,86,087
No. of Public Call Office (PCO)	7,79,241

Internet/Broadband Subscribers	
Total Internet Subscribers	267.39 Million
Narrowband subscribers	181.65 Million
Broadband subscribers	85.74 Million
Wired Internet Subscribers	18.86 Million
Wireless Internet Subscribers	248.53 Million
Urban Internet Subscribers	175.21 Million
Rural Internet Subscribers	92.18 Million
Total Internet Subscribers per 100 population	21.37
Urban Internet Subscribers per 100 population	45.33
Rural Internet Subscribers per 100 population	10.66
Broadcasting & Cable Services	
No. of private satellite TV channels registered with Ministry of I&B	826
Number of private FM Radio Stations	243
Registered DTH Subscribers	73.06 Million
Active DTH Subscribers	40.54 Million
Telecom Financial Data (QE Dec-14)	
Gross Revenue(GR) during the quarter	₹ 63955 Crore
% change in GR over the previous quarter	2.41%
Adjusted Gross Revenue (AGR) during the quarter	₹ 43591 Crore
% change in AGR over the previous quarter	0.84%
Share of Public sector undertaking's in Access AGR	9.8%
Monthly Average Revenue Per User (ARPU) for Access Services	₹ 119
Revenue & Usage Parameters (QE Dec-14)	
Monthly ARPU GSM Full Mobility Service	₹ 118
Monthly ARPU CDMA Full Mobility Service	₹ 109
Minutes of Usage (MOU) per subscriber per month GSM Full Mobility Service	376 Minutes
Minutes of Usage (MOU) per subscriber per month CDMA Full Mobility Service	262 Minutes
Total Outgoing Minutes of Usage for Internet Telephony	245 Million
Data Usage of Mobile Users (for the QE Dec-14)	
Data Usage per subscriber per month - GSM	79.73 MB
Data Usage per subscriber per month - CDMA	251.93 MB
Data Usage per subscriber per month – Total(GSM+CDMA)	89.43 MB

Executive Summary

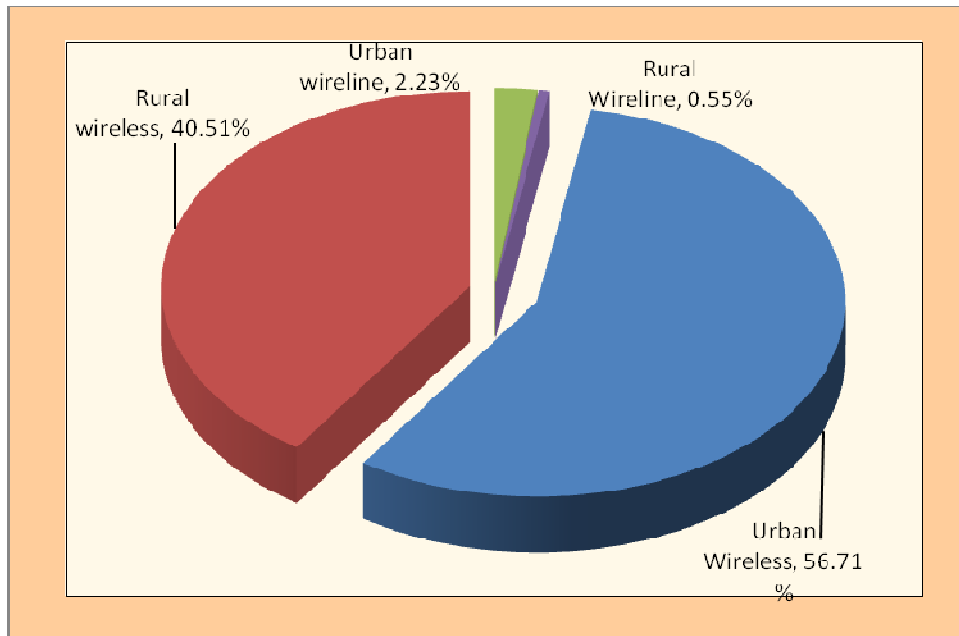
1. The number of telephone subscribers in India increased from 957.61 million at the end of Sep-14 to 970.97 million at the end of Dec-14, registering a growth of 1.40% over the previous quarter. This reflects year-on-year (Y-O-Y) growth of 6.09% over the same quarter of last year. The overall Tele-density in India increased from 76.75 as on 30th Sep-14 to 77.58 as on 31st Dec-14.

Trends in Telephone subscribers and Teledensity in India



2. Subscription in Urban Areas increased from 569.56 million at the end of Sep-14 to 572.29 million at the end of Dec-14, however Urban Tele-density slightly declined from 148.07 to 148.06. Rural subscription increased from 388.05 million to 398.68 million, and Rural Tele-density also increased from 44.96 to 46.09.
3. Out of total subscription, the share of the Rural areas increased from 40.52% at the end of Sep-14 to 41.06% at the end of Dec-14.

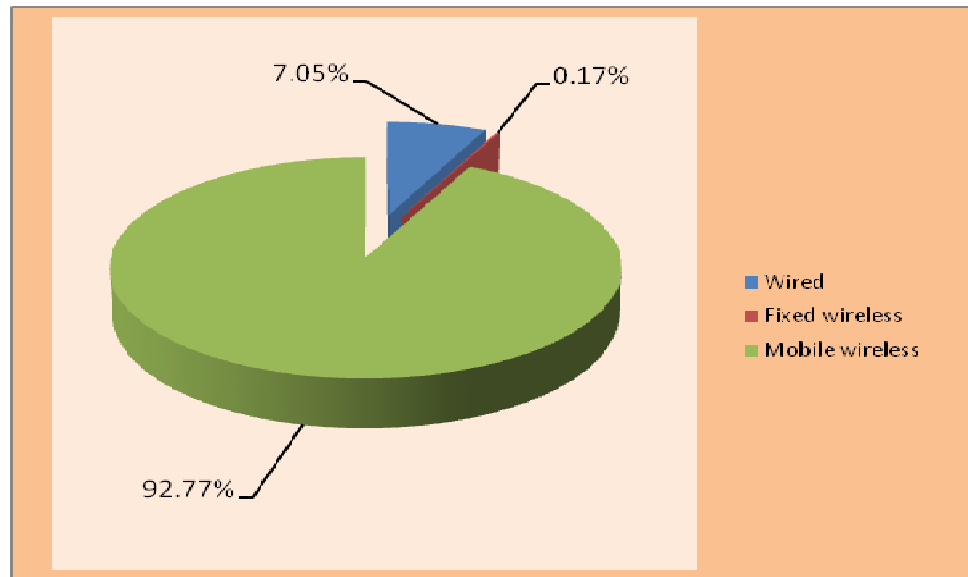
Composition of Telephone Subscribers



4. With a net addition of 13.77 million subscribers during the quarter, total wireless(GSM+CDMA) subscriber base increased from 930.20 million at the end of Sep-14 to 943.97 million at the end of Dec-14, registering a growth rate of 1.48% over the previous quarter. The year-on-year (Y-O-Y) growth rate of wireless subscribers for Dec-14 is 6.51%.
5. Wireless Tele-density increased from 74.55 at the end of Sep-14 to 75.43 at the end of Dec-14.
6. Wireline subscriber base further declined from 27.41 million at the end of Sep-14 to 27.00 million at the end of Dec-14, registering a decline of 1.48%. The year-on-year (Y-O-Y) decline rate of wireline subscribers for Dec-14 is 6.56%.
7. Wireline Tele-density declined from 2.20 at the end of Sep-14 to 2.16 at the end of Dec-14.

8. Total number of Internet subscribers has increased from 254.40 million at the end of Sep-14 to 267.39 million at the end of Dec-14, there has been a quarterly growth rate of 5.11%. Out of which Wired Internet subscribers are 18.86 million and Wireless Internet subscribers are 248.53 million.

Composition of internet subscription

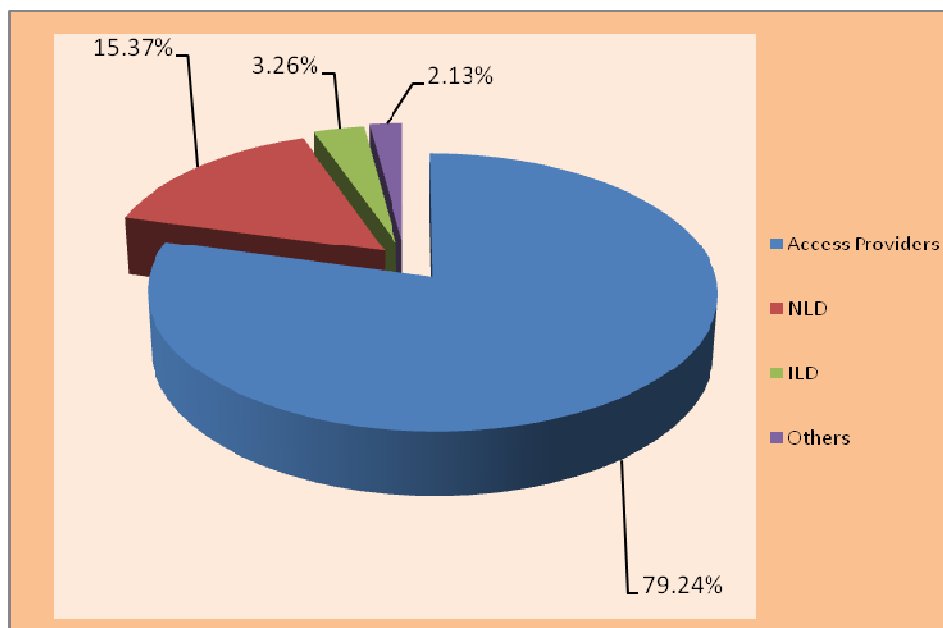


9. Number of Broadband Internet subscribers increased from 75.73 million at the end of Sep-14 to 85.74 million at the end of Dec-14 with quarter growth rate of 13.21%.
10. The number of Narrowband Internet subscribers has increased from 178.67 million at the end of Sep-14 to 181.65 million at the end of Dec-14 with quarterly growth rate of 1.67%.
11. Monthly Average Revenue Per User (ARPU) for GSM service increased by 2.35%, from ₹116 in QE Sep-14 to ₹118 in QE Dec-14, whereas Y-O-Y increased by 5.80%.

12. Prepaid ARPU for GSM service per month increased from ₹101 in QE Sep-14 to ₹103 in QE Dec-14, and Postpaid ARPU per month increased from ₹459 in QE Sep-14 to ₹466 in QE Dec-14.
13. On an all India average, the overall MOU per subscriber per month for GSM service is 376 for QE Dec-14 remained almost at the same level as in the previous quarter.
14. Prepaid MOU per subscriber for GSM service increased from 351 in QE Sep-14 to 352 in QE Dec-14, whereas postpaid MOUs decreased from 954 in QE Sep-14 to 933 in QE Dec-14.
15. Monthly ARPU for CDMA full mobility service decreased by 1.49%, from ₹110 in QE Sep-14 to ₹109 in QE Dec-14. ARPU for CDMA has increased by 4.8% on Y-O-Y basis in this quarter.
16. The total MOU for CDMA per subscriber per month decreased by 1.91%, from 267 in QE Sep-14 to 262 QE Dec-14. The outgoing MOUs decreased from 141 in QE Sep-14 to 139 in QE Dec-14 and incoming MOUs also decreased from 126 in QE Sep-14 to 123 in QE Dec-14.
17. Gross Revenue (GR) and Adjusted Gross Revenue (AGR) of Telecom Service Sector for the QE Dec-14 has been ₹63955 Crore and ₹43591 Crore respectively. GR and AGR increased by 2.41% and 0.84% respectively in this quarter as compared to previous quarter.
18. The year-on-year (Y-O-Y) growth in GR and AGR over the same quarter in last year has been 9.54% and 10.15% respectively.

19. Pass-through charges accounted 31.84% of the GR for the quarter ending Dec-14. The quarterly and the year-on-year (Y-O-Y) growth rates of pass-through charges for QE Dec-14 are 5.97% and 8.26% respectively.
20. The License Fee increased from 3459 Crore for the QE Sep-14 to 3489 Crore for the QE Dec-14. The quarterly and the year-on-year (Y-O-Y) growth rates of license fee are 0.86% and 10.14% respectively in this quarter.
21. Access services contributed 79.24% of the total Adjusted Gross Revenue of telecom services. In Access services, Gross Revenue (GR), Adjusted Gross Revenue(AGR), License Fee, Spectrum Usage Charges(SUC) and Pass Through Charges increased by 2.41%, 0.84%, 0.86%, 4.31% and 5.97% respectively in QE Dec-14.
22. Monthly Average Revenue per User (ARPU) for Access Services based on AGR increased from ₹118.20 in QE Sep-14 to ₹119.48 in QE Dec-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"> • Call Set-up Success Rate (within licensee's own network) • SDCCH/ Paging Channel Congestion • TCH Congestion • Call Drop Rate • Worst affected cells having more than 3% TCH drop (call drop) rate • Resolution of billing/ charging/ validity complaints (100% within 6 weeks) • Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of complaints • Accessibility of call centre/ customer care • %age requests for Termination/ Closure of service complied within 7 days • Time taken for refund of deposits after closures. 	<ul style="list-style-type: none"> • BTSs Accumulated downtime (not available for service) • Connection with good voice quality • Point of Interconnection (POI) Congestion (No. of POIs not meeting benchmark) (averaged over a period of quarter) • Metering and billing credibility - Postpaid • Metering and billing credibility - Prepaid • Resolution of billing/charging/ credit & validity complaints (98% within 4 weeks) • %age of calls answered by the operators (voice to voice) within 90 sec

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"> • Call Set-up Success Rate (within licensee's own network) • Point of Interconnection (POI) Congestion 	<ul style="list-style-type: none"> • Node-B's Accumulated downtime (not available for service) (%age) • SDCCH/ Paging Channel and RRC Congestion (%age) • TCH and Circuit Switched RAB Congestion (%age)

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"> • Fault incidences per 100 subscriber/ month • % Fault repaired by next working day for urban areas • Mean Time to Repair (MTTR) • Metering & billing credibility - Postpaid • Resolution of billing/charging/ credit & validity complaints 	<ul style="list-style-type: none"> • % Fault repaired by 5 days (for urban areas) • Point of Interconnection (POI) Congestion (No. of POIs not meeting benchmark) • Accessibility of call centre/ customer care • Termination/closure of service • Time taken for refund of deposits after closures

26. A total of 826 private satellite TV channels have been permitted by the Ministry of Information and Broadcasting (MIB) as on 31st December 2014. There are a total of 245 Pay channels as reported by broadcasters as on 31.01.2015 and these details have been uploaded on TRAI's website along with the names of the respective broadcasters.

27. In Non-CAS areas, the maximum number of TV channels being carried in a digital form by any of the reporting MSOs is 398, while in conventional analogue form, the maximum number of channels being carried by any of the reporting MSOs is 100.
28. Apart from All India Radio, Prasar Bharati – a public broadcaster, there are 243 operational private FM Radio stations as on 31st December, 2014. The information therein is as received from MIB.
29. At present, apart from free DTH service of Doordarshan of Prasar Bharati – a public broadcaster, there are 6 private DTH Operators. All these private DTH Operators are offering pay DTH services. As per the information submitted by the DTH operator through quarterly PMR for DTH services, total number of registered subscribers and active subscribers being served by these six private DTH operators, as reported to TRAI, are 73.06 million & 40.54, million respectively as on 31st December 2014.

Trends at a Glance

A. Access Service (Wireline + Wireless)

	QE Dec 2013	QE Mar 2014	QE Jun 2014	QE Sep 2014	QE Dec 2014	%age change over Dec- 2013 (12 months)	%age change over Mar- 2014 (9 months)	%age change over Jun- 2014 (6 months)	%age change over Sep- 2014 (3 months)
	1) Subscriber Base (in million)								
Wireline	28.89	28.50	28.03	27.41	27.00	-6.56%	-5.26%	-3.66%	-1.48%
Wireless	886.30	904.51	914.92	930.20	943.97	6.51%	4.36%	3.17%	1.48%
Total	915.19	933.01	942.95	957.61	970.97	6.09%	4.07%	2.97%	1.40%
Rural	365.79	377.73	383.18	388.05	398.68	8.99%	5.55%	4.05%	2.74%
Urban	549.40	555.28	559.77	569.56	572.29	4.17%	3.06%	2.24%	0.48%
2) Teledensity									
Wireline	2.34	2.30	2.25	2.20	2.16	-7.69%	-6.07%	-4.24%	-1.78%
Wireless	71.69	72.94	73.55	74.55	75.43	5.22%	3.42%	2.55%	1.17%
Total	74.02	75.23	75.80	76.75	77.58	4.81%	3.13%	2.35%	1.09%
Rural	42.67	43.96	44.50	44.96	46.09	8.02%	4.85%	3.59%	2.51%
Urban	144.95	145.78	146.24	148.07	148.06	2.15%	1.57%	1.25%	-0.01%
3) Service Provider wise Subscribers Base (in Million)									
Bharti	201.76	208.75	212.60	214.92	220.60	9.34%	5.68%	3.76%	2.64%
Vodafone	160.46	166.62	169.96	173.92	178.75	11.40%	7.28%	5.17%	2.78%
Idea	128.69	135.79	139.01	143.56	150.54	16.98%	10.86%	8.29%	4.86%
Reliance	118.48	112.13	110.06	111.32	107.48	-9.29%	-4.15%	-2.35%	-3.44%
BSNL	115.23	113.14	107.50	104.09	98.32	-14.68%	-13.10%	-8.54%	-5.54%
Aircel	66.91	70.15	73.07	75.85	78.67	17.58%	12.15%	7.67%	3.72%
Tata	64.78	64.55	64.44	65.84	67.78	4.64%	5.01%	5.19%	2.95%
Telewings	32.78	35.61	39.31	41.82	43.63	33.10%	22.54%	10.98%	4.34%
Sistema	9.86	9.09	9.21	9.19	9.04	-8.39%	-0.63%	-1.89%	-1.64%
MTNL	7.13	6.91	6.90	6.93	6.97	-2.23%	0.84%	1.12%	0.64%
Videocon	3.97	4.99	5.55	5.94	6.45	62.55%	29.38%	16.26%	8.59%
Quadrant	2.16	2.39	2.50	2.66	2.74	26.44%	14.45%	9.57%	2.94%
Loop	2.98	2.90	2.84	1.58	-	-	-	-	-
Total	915.19	933.01	942.95	957.61	970.97	6.09%	4.07%	2.97%	1.40%

B. Internet Services

	QE Dec 2013	QE Mar 2014	QE Jun 2014	QE Sep 2014	QE Dec 2014	%age change over Dec-2013	%age change over Mar-2014	%age change over Jun-2014	%age change over Sep-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	18.70	18.86	2.90%	1.98%	1.71%	0.89%
B. Wireless Internet Subscribers	220.38	233.09	240.60	235.70	248.53	12.77%	6.62%	3.30%	5.44%
i. Mobile Wireless (Mobile & Dongle)	219.92	232.66	240.14	235.24	248.06	12.80%	6.62%	3.30%	5.45%
ii. Fixed Wireless (Wi-Fi, Wi-Max, Point-to-Point Radio & VSAT)	0.46	0.44	0.46	0.46	0.46	0.73%	5.68%	0.41%	1.02%
Total Internet Subscribers	238.71	251.59	259.14	254.40	267.39	12.01%	6.28%	3.18%	5.11%
2) No. of Internet Subs per 100 Population	19.31	20.29	20.83	20.39	21.37	10.66%	5.32%	2.56%	4.79%

C. Usage and Revenue for Full Mobility Services

1. Traffic (MOU) (minutes of use/subscriber/month)									
i) GSM	379	389	390	376	376	-0.76%	-3.14%	-3.54%	0.08%
ii) CDMA	272	272	283	267	262	-3.54%	-3.54%	-7.39%	-1.91%
2) ARPU (Rs./sub/ month)									
i) GSM	111.94	113.44	118.94	115.72	118.44	5.80%	4.40%	-0.42%	2.35%
ii) CDMA	103.60	104.98	111.51	110.25	108.61	4.83%	3.46%	-2.60%	-1.49%

D. Telecom Financial Data

	QE Dec 2013	QE Mar 2014	QE Jun 2014	QE Sep 2014	QE Dec 2014	%age change over Dec-2013	%age change over Mar-2014	%age change over Jun-2014	%age change over Sep-2014
						(12 months)	(9 months)	(6 months)	(3 months)
1. Telecom Sector									
i) Gross Revenue (Rs. in Crores)	58385.39	60716.21	62919.19	62446.66	63954.67	9.54%	5.33%	1.65%	2.41%
ii) Adjusted Gross Revenue (Rs. in Crores)	39574.99	41016.13	43851.85	43229.38	43590.57	10.15%	6.28%	-0.60%	0.84%
2. Access Services									
Adjusted Gross Revenue (Rs. in Crores)	31406.54	31922.39	34416.53	33669.47	34541.96	9.98%	8.21%	0.36%	2.59%
ARPU per month (AGR/ Average subscribers/3)	115.70	115.28	122.39	118.20	119.48	3.27%	3.64%	-2.38%	1.08%

Introduction

This Report presents the Key Parameters and growth trends for the Telecom Services in India for the quarter ending December, 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 telecom 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: vinod.kotwal@nic.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 957.61 million at the end of Sep-14 to 970.97 million at the end of Dec-14, registering a growth of 1.40% over the previous quarter. This reflects year-on-year (Y-O-Y) growth of 6.09% over the same quarter of last year. The overall Tele-density in India increased to 77.58 at the end of Dec-14 from 76.75 at the end of the previous quarter.

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

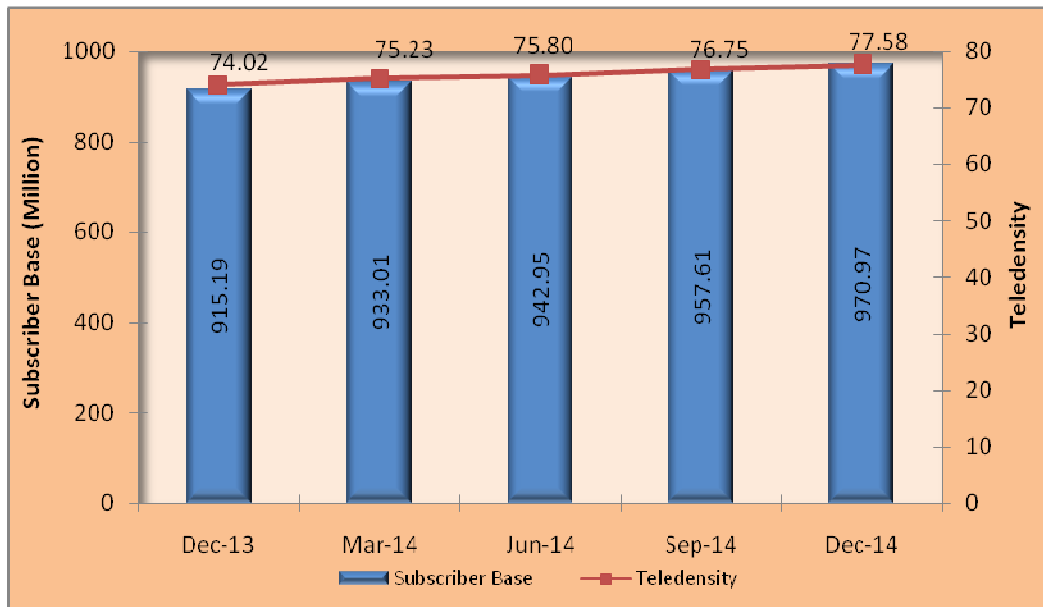
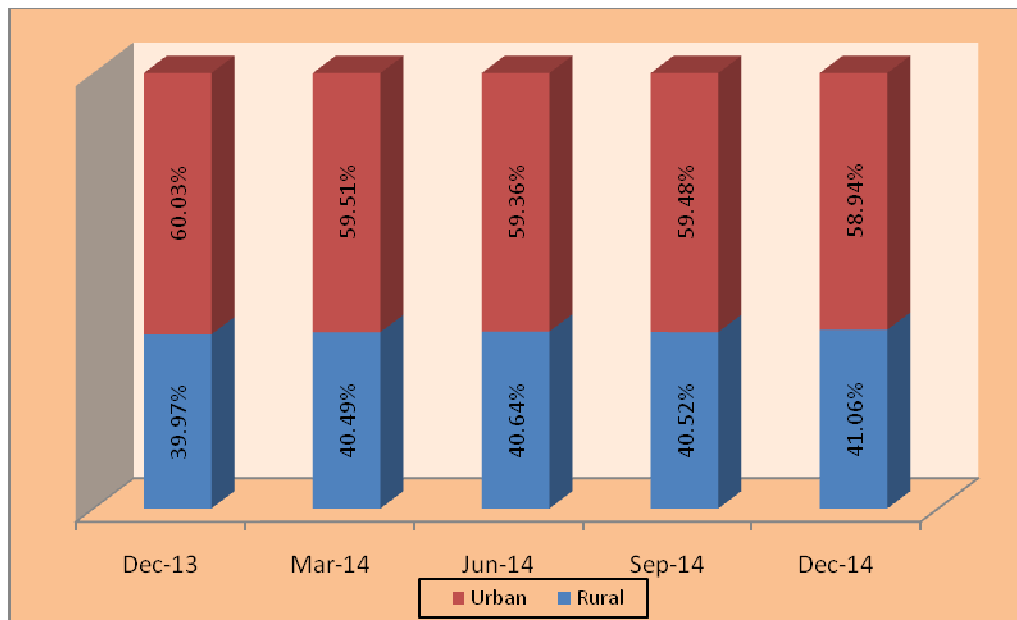


Table 1.1: Subscriber Base & Tele-density - Rural & Urban

Quarter ending	Subscriber Base (million)		Tele-density	
	Rural	Urban	Rural	Urban
Dec-13	365.79	549.40	42.67	144.95
Mar-14	377.73	555.28	43.96	145.78
Jun-14	383.18	559.77	44.50	146.24
Sep-14	388.05	569.56	44.96	148.07
Dec-14	398.68	572.29	46.09	148.06

- 1.2 Subscription in Urban Areas increased from 569.56 million at the end of Sep-14 to 572.29 million at the end of Dec-14, however the Urban Tele-density slightly declined from 148.07 to 148.06 during the quarter.
- 1.3 Rural subscription increased from 388.05 million to 398.68 million and the Rural Tele-density also increased from 44.96 to 46.09 during the quarter.
- 1.4 The year-on-year (Y-O-Y) growth rate of Rural and Urban Tele-density from Dec-13 to Dec-14 is 8.02% and 2.15% respectively.

Chart 1.2: Market Share - Rural & Urban



- 1.5 Share of rural areas in total subscription has increased from 40.52% at the end of Sep-14 to 41.06% at the end of Dec-14. The year-on-year (Y-O-Y) growth of the market share in the rural areas for Dec-14 is 2.73%.

Chart 1.3: Composition of Access subscription - Wireline & Wireless

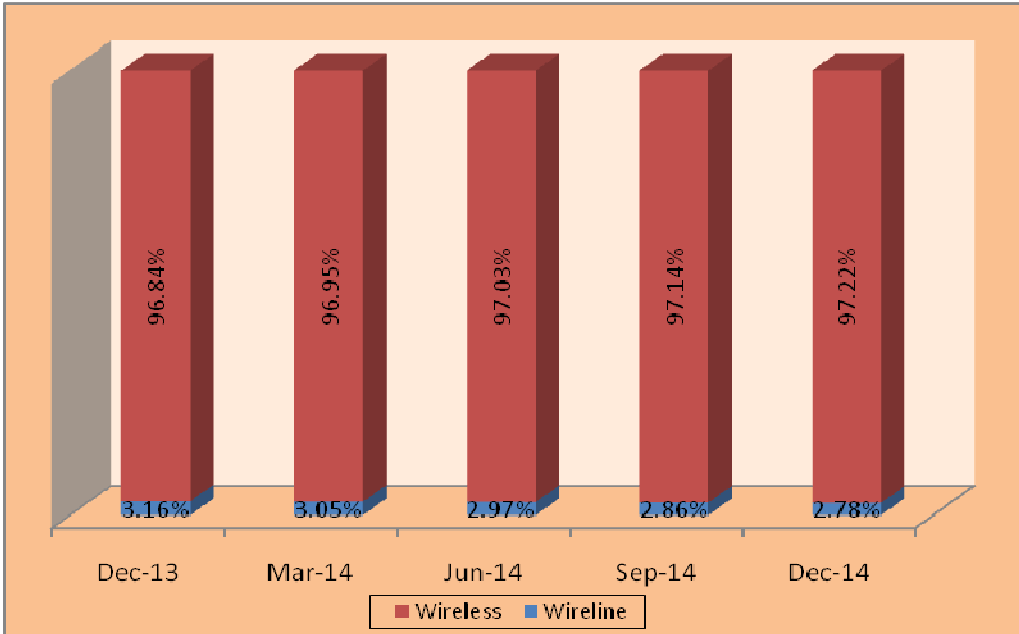


Chart 1.4: Composition of Telephone Subscribers at the end of the quarter

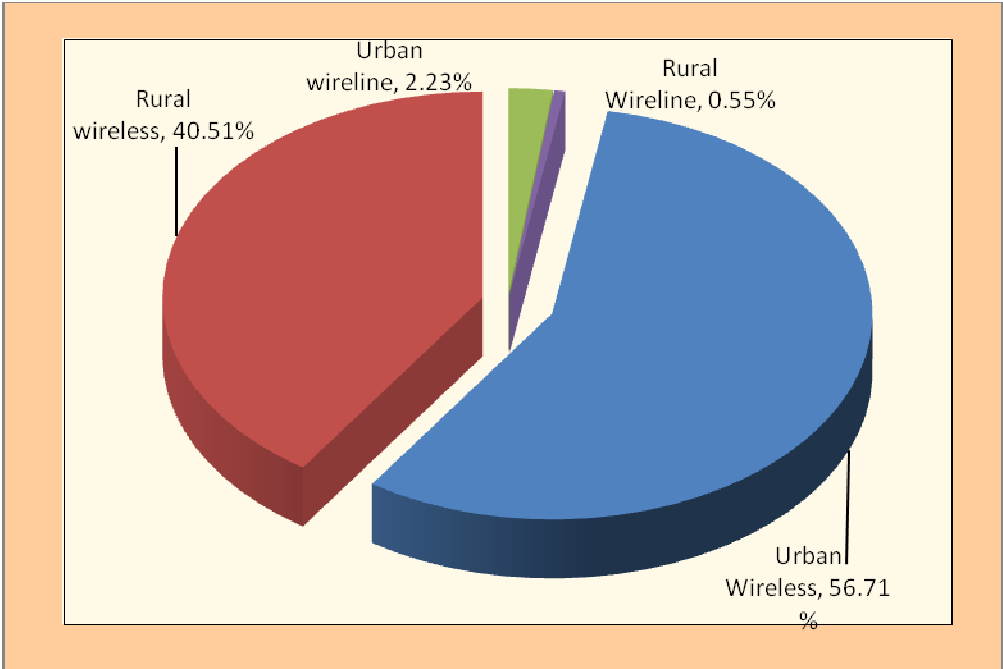


Table 1.2: Service Area wise Access (Wireless+Wireline) Subscriber base

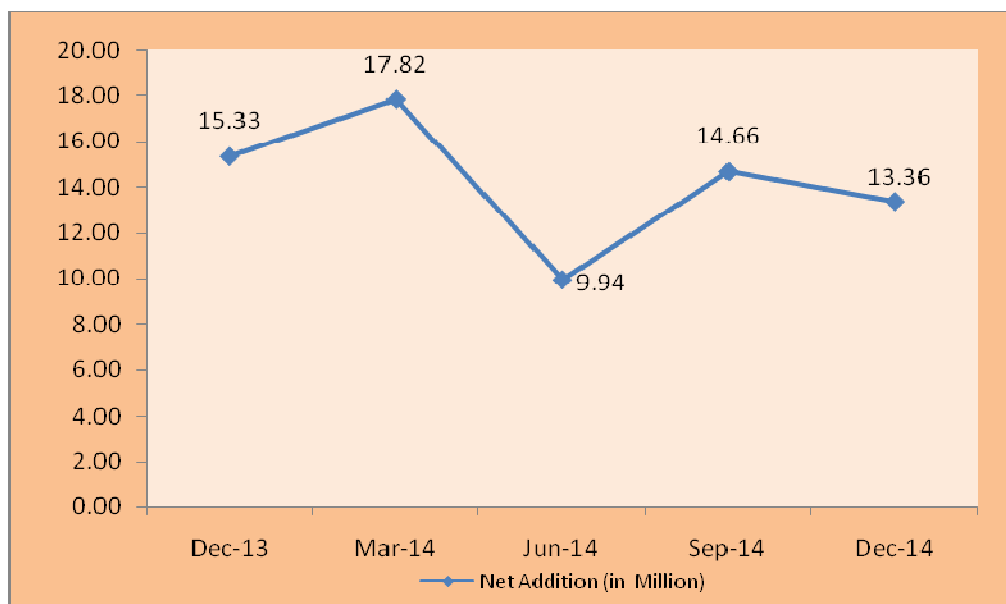
Service Area	Subscribers (million)			
	Sep-14	Dec-14	Net Additions	Rate of Growth(%)
Andhra Pradesh	70.82	72.47	1.65	2.34
Assam	16.09	16.61	0.52	3.26
Bihar	64.46	65.49	1.03	1.60
Delhi	47.45	48.48	1.03	2.17
Gujarat	58.33	58.36	0.04	0.07
Haryana	21.61	22.18	0.57	2.62
Himachal Pradesh	7.68	7.85	0.17	2.25
Jammu & Kashmir	8.56	9.04	0.48	5.58
Karnataka	57.98	59.45	1.46	2.52
Kerala	34.03	33.82	-0.21	-0.62
Madhya Pradesh	58.01	59.98	1.97	3.40
Maharashtra	77.00	77.02	0.02	0.03
Mumbai	33.61	33.09	-0.52	-1.55
North East	9.89	10.39	0.51	5.12
Orissa	26.63	27.45	0.82	3.09
Punjab	31.48	32.07	0.59	1.87
Rajasthan	54.51	53.98	-0.53	-0.97
T.N. (incl. Chennai)	80.84	82.56	1.71	2.12
U.P.(E)	79.82	80.66	0.84	1.05
U.P.(W)	50.12	51.05	0.93	1.85
Kolkata	23.02	22.98	-0.04	-0.16
West Bengal	45.66	45.97	0.31	0.67
All India	957.61	970.97	13.36	1.40

1.6 During the quarter, J&K Circle has recorded the highest growth rate of 5.58% followed by North East (5.12%). Kerala, Mumbai, Rajasthan and Kolkata Circles recorded decline in subscriber base during the quarter ending Dec-14.

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

Service Area	Subscribers (million)			
	Total	Rural	Urban	% of Rural Subs
Andhra Pradesh	72.47	30.47	42.01	42.04
Assam	16.61	10.08	6.53	60.68
Bihar	65.49	35.61	29.89	54.37
Delhi	48.48	2.33	46.14	4.81
Gujarat	58.36	21.41	36.95	36.69
Haryana	22.18	10.22	11.96	46.07
Himachal Pradesh	7.85	5.11	2.75	64.99
Jammu & Kashmir	9.04	4.59	4.45	50.81
Karnataka	59.45	17.96	41.48	30.21
Kerala	33.82	17.72	16.10	52.40
Madhya Pradesh	59.98	25.83	34.15	43.07
Maharashtra	77.02	36.97	40.06	47.99
Mumbai	33.09	0.53	32.56	1.60
North East	10.39	5.08	5.31	48.89
Orissa	27.45	14.85	12.60	54.11
Punjab	32.07	12.24	19.83	38.18
Rajasthan	53.98	27.55	26.43	51.04
T.N. (incl. Chennai)	82.56	23.39	59.17	28.33
U.P.(E)	80.66	40.49	40.18	50.19
U.P.(W)	51.05	24.05	27.00	47.11
Kolkata	22.98	1.68	21.30	7.32
West Bengal	45.97	30.52	15.45	66.39
All India	970.97	398.68	572.29	41.06

Chart 1.5: Trend of Net Addition in Telephone Subscription



1.7 The net addition in telephone subscribers is 13.36 million in QE Dec-14 as against the net addition of 14.66 million in QE Sep-14.

Table 1.4 : Service Area wise Teledensity

Service Area	As on 30 th September, 2014			As on 31 st December, 2014		
	Rural Teledensity	Urban Teledensity	Total Teledensity	Rural Teledensity	Urban Teledensity	Total Teledensity
Andhra Pradesh	47.41	168.16	81.06	48.25	172.12	82.78
Assam	36.15	126.67	50.41	37.41	129.05	51.90
Bihar	29.98	158.55	47.66	30.43	160.15	48.28
Delhi	-	-	232.22	-	-	235.57
Gujarat	59.82	140.72	93.34	58.41	142.00	93.11
Haryana	58.76	119.62	80.31	58.68	124.61	82.11
Himachal Pradesh	80.41	333.19	109.55	82.14	338.50	111.78
J&K	46.02	132.93	69.98	51.71	131.23	73.67
Karnataka	44.62	173.84	94.20	47.30	174.86	96.35
Kerala	65.77	184.65	95.96	66.87	178.55	95.21

Service Area	As on 30 th September, 2014			As on 31 st December, 2014		
	Rural Teledensity	Urban Teledensity	Total Teledensity	Rural Teledensity	Urban Teledensity	Total Teledensity
Madhya Pradesh	33.34	120.62	57.04	34.77	123.02	58.77
Maharashtra*	57.98	129.49	92.20	59.86	125.84	91.49
Mumbai*						
North East	44.43	155.43	72.00	49.14	154.94	75.48
Orissa	41.52	167.05	63.41	42.78	171.17	65.24
Punjab	68.52	149.72	103.49	70.67	150.42	105.13
Rajasthan	49.68	159.67	76.18	50.56	152.71	75.18
T.N. (incl Chennai)	76.76	141.77	114.71	80.08	143.00	116.96
U.P.(E)*	36.25	132.47	58.09	37.19	131.59	58.65
U.P.(W)*						
Kolkata*	47.35	138.32	73.40	48.13	136.76	73.53
W.B.*						
All India	44.96	148.07	76.75	46.09	148.06	77.58

* 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 82.14, followed by Tamil Nadu (80.08). Bihar continues to have the lowest Rural Tele-density of 30.43, followed by Madhya Pradesh (34.77).

Table 1.5 : Growth/Decline in Subscribers

Service Provider	Subscriber base (millions)			Rate of Growth (%)	Market Share Sep-14 (%)	Market Share Dec-14 (%)
	Sep-14	Dec-14	Net Additions			
Bharti	214.92	220.60	5.68	2.64	22.44	22.72
Vodafone	173.92	178.75	4.83	2.78	18.16	18.41
IDEA	143.56	150.54	6.98	4.86	14.99	15.50
Reliance Comm. Group	111.32	107.48	-3.83	-3.44	11.62	11.07
BSNL	104.09	98.32	-5.77	-5.54	10.87	10.13
Aircel	75.85	78.67	2.82	3.72	7.92	8.10
Tata	65.84	67.78	1.94	2.95	6.88	6.98
Telewings	41.82	43.63	1.82	4.34	4.37	4.49
Sistema	9.19	9.04	-0.15	-1.64	0.96	0.93
MTNL	6.93	6.97	0.04	0.64	0.72	0.72
Videocon	5.94	6.45	0.51	8.59	0.62	0.66
Quadrant	2.66	2.74	0.08	2.94	0.28	0.28
Loop Mobile*	1.58	-	-1.58	-	0.17	-
Total	957.61	970.97	13.36	1.40	100	100

*License of M/s Loop Mobile expired in September, 2014

1.9 Bharti is the leading operator in access segment in terms of number of subscribers. During the quarter, Idea recorded the highest net addition of 6.98 million subscribers followed by Bharti (5.68 million). BSNL recorded the highest net decline of 5.77 million subscribers during this quarter.

Table 1.6 : Market Share of the operators in total rural subscriber base – Q.E. Dec-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	220.60	101.25	45.90	25.40
Vodafone	178.75	93.79	52.47	23.53
IDEA	150.54	83.25	55.31	20.88
BSNL	98.32	33.11	33.68	8.30
Aircel	78.67	27.84	35.38	6.98
Reliance Comm. Group	107.48	26.70	24.84	6.70
Tata	67.78	16.97	25.04	4.26
Telewings	43.63	13.66	31.30	3.43
Sistema	9.04	2.04	22.55	0.51
Quadrant	2.74	0.06	2.25	0.02
Videocon	6.45	-	0.00	0.00
MTNL	6.97	-	0.00	0.00
Total	970.97	398.68	41.06	100

1.10 IDEA continues to be the service provider with highest proportion of rural subscribers (55.31%), followed by Vodafone (52.47%) to their total subscribers.

Section B : Wireless Service

Table 1.7: List of Cellular Mobile (GSM & CDMA) Service Providers currently providing service [As on 31st December, 2014]

Sl.No.	Service Provider	Area of Operation
1	Bharti	All India
2	Aircel Group	All India
3	Reliance Communications	All India (except Assam & NE)
4	Reliance Telecom 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	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	Quadrant	Punjab
12	Telewings Communications Services Pvt. Ltd.	MH, Gujarat, AP, UP(W), UP(E), Bihar
13	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 31.12.2014.

1.11 Complete list of licensed Cellular (GSM & CDMA) Service providers as on 31st December, 2014 is at Annexure -1.1

1.12 Total Wireless (GSM+CDMA) subscriber base increased from 930.20 million at the end of Sep-14 to 943.97 million at the end of Dec-14, thereby showing a growth rate of 1.48%. During this quarter, net addition of 13.77 million subscribers was recorded. The year-on-year (Y-O-Y) growth of wireless subscribers is 6.51% for Q.E. Dec-14.

1.13 Wireless Teledensity increased from 74.55 at the end of Sep-14 to 75.43 at the end of Dec-14.

Chart 1.6: Wireless Subscriber Base and Teledensity

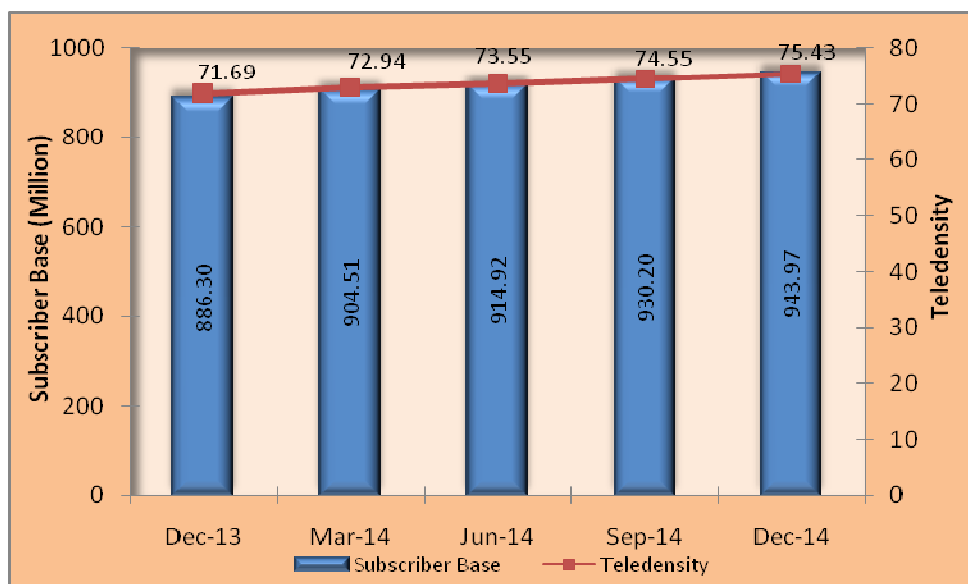


Table 1.8: Wireless Subscriber Base & Tele-density - Rural & Urban

Quarter ending	Subscriber Base (million)		Tele-density	
	Rural	Urban	Rural	Urban
Dec-13	359.67	526.63	41.95	138.94
Mar-14	371.78	532.73	43.27	139.86
Jun-14	377.36	537.56	43.82	140.44
Sep-14	382.50	547.70	44.32	142.39
Dec-14	393.34	550.64	45.47	142.46

1.14 The Rural Wireless subscribers increased from 382.50 million at the end of Sep-14 to 393.34 million at the end of Dec-14.

1.15 Rural subscription increased at the rate of 1.36% in QE Sep-14 as against the growth rate of 2.83% in QE Dec-14. Urban subscription increased at the rate of 0.54% as against the growth rate of 1.89% in the previous quarter.

1.16 The share of rural wireless subscription increased from 41.12% to 41.67% in total wireless subscription in this quarter.

Chart 1.7: Wireless Market Share - Rural & Urban

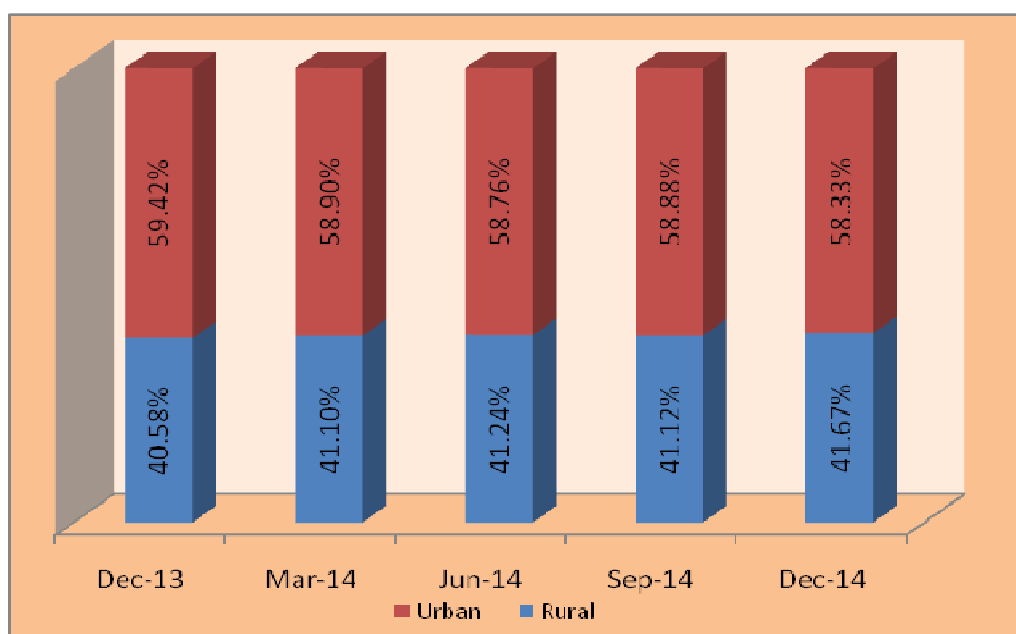


Table 1.9: Growth in Wireless Subscriber base

Service Provider	Subscriber Base (millions)			Rate of Growth (%)	Market Share Sep-14 (%)	Market Share Dec-14 (%)
	Sep-14	Dec-14	Net Additions			
Bharti	211.55	217.22	5.66	2.68	22.74	23.01
Vodafone	173.85	178.68	4.83	2.78	18.69	18.93
IDEA	143.56	150.54	6.98	4.86	15.43	15.95
Reliance Comm. Group	110.12	106.29	-3.83	-3.48	11.84	11.26
BSNL	86.72	81.38	-5.33	-6.15	9.32	8.62
Aircel	75.85	78.67	2.82	3.72	8.15	8.33
Tata	64.25	66.17	1.92	2.99	6.91	7.01
Telewings	41.82	43.63	1.82	4.34	4.50	4.62
Sistema	9.13	8.98	-0.15	-1.65	0.98	0.95
Videocon	5.94	6.45	0.51	8.59	0.64	0.68
MTNL	3.40	3.45	0.05	1.57	0.37	0.37
Quadrant	2.43	2.51	0.08	3.18	0.26	0.27
Loop	1.58	-	-1.58	-	0.17	-
Total	930.20	943.97	13.77	1.48	-	-

1.17 Bharti remains the leading operator with 217.22 million subscribers at the end of Dec-14, followed by Vodafone (178.68 million) and Idea (150.54 million).

1.18 In terms of net additions during the quarter ending Dec-14, Idea (6.98 million) has added the highest number of subscribers, followed by Bharti (5.66 million). BSNL has shown the maximum net decline of 5.33 million wireless subscribers during this quarter.

Table 1.10: Service Area wise Wireless Subscriber base

Service Area	Subscriber base (in million)			
	Sep-14	Dec-14	Net Additions	Rate of change (%)
Andhra Pradesh	68.86	70.56	1.70	2.46
Assam	15.91	16.43	0.53	3.31
Bihar	64.08	65.12	1.04	1.62
Delhi	44.33	45.35	1.02	2.30
Gujarat	56.73	56.80	0.07	0.12
Haryana	21.13	21.75	0.61	2.90
Himachal Pradesh	7.44	7.63	0.18	2.44
Jammu & Kashmir	8.40	8.88	0.48	5.73
Karnataka	55.72	57.18	1.46	2.62
Kerala	31.26	31.13	-0.13	-0.41
Madhya Pradesh	56.91	58.88	1.97	3.46
Maharashtra	74.79	74.87	0.08	0.11
Mumbai	30.57	30.05	-0.52	-1.69
North East	9.75	10.26	0.51	5.21
Orissa	26.29	27.12	0.82	3.14
Punjab	30.31	30.92	0.61	2.01
Rajasthan	53.63	53.13	-0.50	-0.93
T.N. (incl. Chennai)	78.02	79.76	1.74	2.23
U.P.(E)	79.28	80.14	0.86	1.09
U.P.(W)	49.61	50.54	0.94	1.89
Kolkata	21.98	21.96	-0.02	-0.10
West Bengal	45.19	45.51	0.32	0.71
All India	930.20	943.97	13.77	1.48

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

Service Area	Subscriber base (in million) – Dec-14			
	Total	Rural	Urban	% of Rural Subscribers
Andhra Pradesh	70.56	29.98	40.57	42.49
Assam	16.43	10.05	6.39	61.14
Bihar	65.12	35.50	29.62	54.52
Delhi	45.35	2.33	43.02	5.15
Gujarat	56.80	21.11	35.69	37.16
Haryana	21.75	10.10	11.64	46.45
Himachal Pradesh	7.63	4.94	2.69	64.79
Jammu & Kashmir	8.88	4.56	4.32	51.39
Karnataka	57.18	17.68	39.50	30.92
Kerala	31.13	15.96	15.17	51.27
Madhya Pradesh	58.88	25.67	33.20	43.61
Maharashtra	74.87	36.49	38.38	48.74
Mumbai	30.05	0.53	29.52	1.77
North East	10.26	5.05	5.21	49.21
Orissa	27.12	14.77	12.35	54.45
Punjab	30.92	11.94	18.98	38.62
Rajasthan	53.13	27.37	25.76	51.51
T.N. (incl. Chennai)	79.76	22.91	56.85	28.73
U.P.(E)	80.14	40.40	39.74	50.42
U.P.(W)	50.54	23.98	26.56	47.45
Kolkata	21.96	1.68	20.28	7.66
West Bengal	45.51	30.31	15.20	66.60
All India	943.97	393.34	550.64	41.67

Table 1.12 : Service Area wise Wireless Tele-density

Service Area	As on 30 th September, 2014			As on 31 st December, 2014		
	Rural Teledensity	Urban Teledensity	Total Teledensity	Rural Teledensity	Urban Teledensity	Total Teledensity
Andhra Pradesh	46.61	162.18	78.82	47.49	166.25	80.60
Assam	36.03	123.75	49.85	37.29	126.19	51.34
Bihar	29.89	157.10	47.38	30.34	158.71	48.00
Delhi	-	-	216.98	-	-	220.40
Gujarat	58.95	135.76	90.78	57.58	137.15	90.61
Haryana	57.99	116.00	78.53	58.02	121.30	80.51
Himachal Pradesh	77.63	325.03	106.15	79.49	330.53	108.51
Jammu & Kashmir	45.70	129.02	68.67	51.40	127.42	72.40
Karnataka	43.84	165.52	90.52	46.55	166.49	92.67
Kerala	58.90	174.12	88.16	60.24	168.29	87.66
Madhya Pradesh	33.13	117.20	55.96	34.55	119.62	57.69
Maharashtra*	57.16	121.21	87.81	59.09	117.66	87.18
Mumbai*						
North East	44.12	152.54	71.05	48.84	152.08	74.54
Orissa	41.26	163.67	62.61	42.53	167.82	64.44
Punjab	66.71	143.16	99.64	68.93	143.98	101.36
Rajasthan	49.33	155.69	74.95	50.22	148.83	73.99
T.N. (incl. Chennai)	75.12	136.08	110.71	78.46	137.37	113.00
U.P.(E)*	36.16	130.69	57.62	37.11	129.86	58.19
U.P.(W)*						
Kolkata*	47.02	133.51	71.79	47.82	132.04	71.95
West Bengal*						
All India	44.32	142.39	74.55	45.47	142.46	75.43

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

Notes:

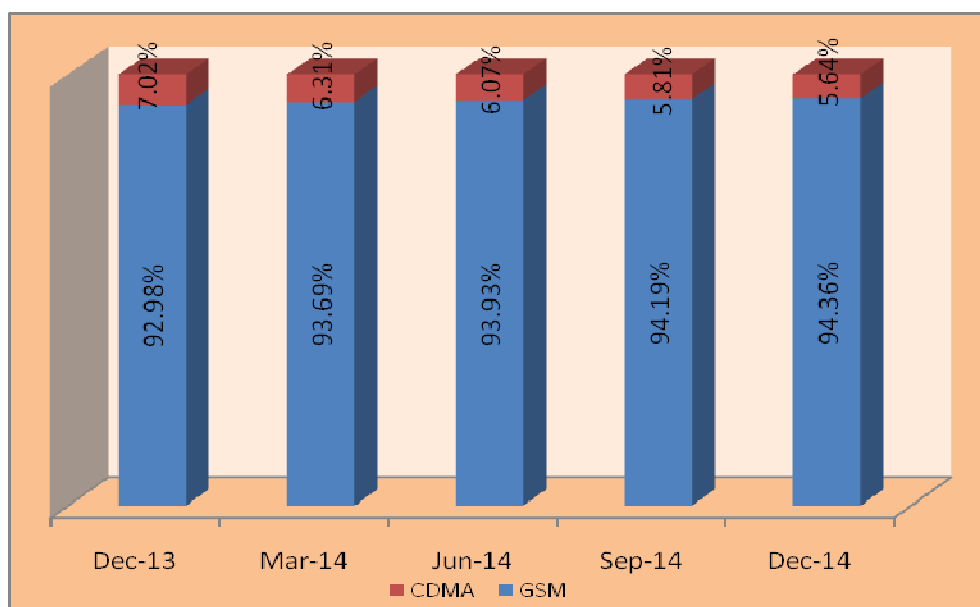
1. Teledensity figures are derived from the subscriber data provided by the operators and the population projections, for Urban and Rural areas, of the country, published by the Office of the Registrar General & Census Commissioner, India.
2. Delhi service area, apart from the State of Delhi, includes 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 Dec-14 (in millions)	Rural Subscribers (in millions)		% of Rural subscribers in total		Market Share of Rural Subscribers (%)	
		Sep-14	Dec-14	Sep-14	Dec-14	Sep-14	Dec-14
Bharti	217.22	97.45	101.25	46.07	46.61	25.48	25.74
Vodafone	178.68	91.86	93.79	52.84	52.49	24.02	23.85
IDEA	150.54	78.23	83.25	54.49	55.31	20.45	21.17
BSNL	81.38	29.14	27.83	33.60	34.19	7.62	7.07
Reliance Comm. Group	106.29	27.38	26.70	24.87	25.12	7.16	6.79
Aircel	78.67	26.81	27.84	35.34	35.38	7.01	7.08
Tata	66.17	16.26	16.92	25.31	25.58	4.25	4.30
Telewings	43.63	13.19	13.66	31.55	31.30	3.45	3.47
Sistema	8.98	2.11	2.03	23.14	22.58	0.55	0.52
Quadrant	2.51	0.06	0.06	2.42	2.45	0.02	0.02
Videocon	6.45	0.00	0.00	0.00	0.00	0.00	0.00
MTNL	3.45	0.00	0.00	0.00	0.00	0.00	0.00
Total	943.97	382.50	393.34	41.12	41.67	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 Dec-14, GSM subscribers constituted 94.36% share of the wireless market.

GSM Services

1.21 The GSM subscribers were 890.78 million at the end of Dec-14 as against 876.15 million at the quarter ending Sep-14, showing a quarterly growth of 1.67%. Bharti with 217.22 million subscribers continues to be the largest GSM mobile operator, followed by Vodafone (178.68 million).

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

Service Provider	Sep-14		Dec-14		Net Additions (in million)
	No of Subscribers (in millions)	Market Share (%)	No of Subscribers (in millions)	Market Share (%)	
Bharti	211.55	24.15	217.22	24.38	5.66
Vodafone	173.85	19.84	178.68	20.06	4.83
Idea	143.56	16.39	150.54	16.90	6.98
BSNL	84.61	9.66	79.34	8.91	-5.27
Reliance Comm. Group	82.61	9.43	79.03	8.87	-3.59
Aircel	75.85	8.66	78.67	8.83	2.82
Tata	49.04	5.60	51.36	5.77	2.32
Telewings	41.82	4.77	43.63	4.90	1.82
Videocon	5.94	0.68	6.45	0.72	0.51
MTNL	3.31	0.38	3.36	0.38	0.05
Loop	1.58	0.18	0.00	--	-1.58
Quadrant	2.43	0.28	2.51	0.28	0.08
Total	876.15	100	890.78	100	14.62

1.22 There has been a net increase of 14.62 million GSM subscribers during the quarter ending Dec-14.

CDMA Services

1.23 The CDMA subscriber base further declined from 54.05 million at the end of Sep-14 to 53.19 million at the end of Dec-14, thereby showing a decline rate of 1.58%. Reliance Communications Group with 27.27 million subscribers continues to be the largest CDMA mobile operator.

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

Service Provider	Sep-14		Dec-14		Net Addition/ Decline (in million)
	No of Subscribers (in million)	Market Share (%)	No of Subscribers (in million)	Market Share (%)	
Reliance Comm. Group	27.51	50.90	27.27	51.26	-0.24
Tata	15.21	28.14	14.81	27.84	-0.40
Sistema	9.13	16.89	8.98	16.88	-0.15
BSNL	2.11	3.90	2.04	3.84	-0.06
MTNL	0.09	0.17	0.09	0.17	-0.0005
Quadrant	0.002	0.004	0.002	0.003	-0.0001
Total	54.05	100	53.19	100	-0.85

1.24 There has been a net decline of 0.85 million CDMA subscribers during the quarter ending Dec-14.

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

Section C : Wireline Service

Table 1.16 : Service Providers providing Wireline Service

[As on 31st December, 2014]

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

1.26 Total Wireline subscriber base declined from 27.41 million at the end of Sep-14 to 27.00 million at the end of Dec-14 with quarterly declining rate of 1.48%. Overall Wireline Teledensity is 2.16 at the end of this quarter as against 2.20 of the previous quarter.

1.27 Rural subscriber base has shown decline of 3.75%, from 5.55 Million at the end of Sep-14 to 5.34 Million at the end of Dec-14. During the same period, Urban subscription also recorded decline of 0.90%, from 21.85 million to 21.66 million.

Chart 1.9: Wireline Subscriber Base and Teledensity

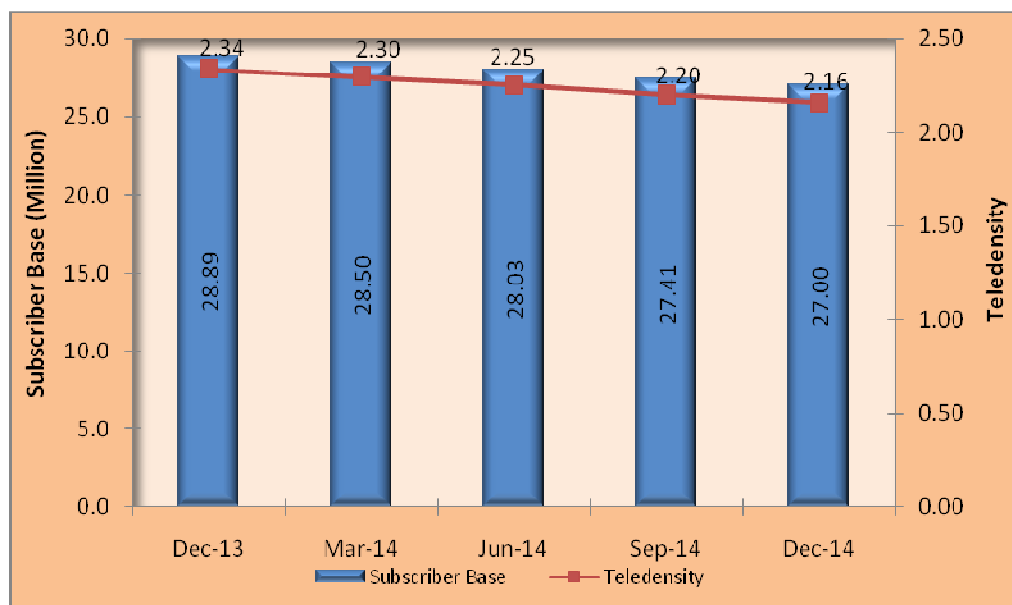


Table 1.17 : Wireline Subscriber Base & Tele-density - Rural & Urban

Quarter ending	Subscriber Base (million)		Teledensity	
	Rural	Urban	Rural	Urban
Dec-13	6.12	22.77	0.71	6.01
Mar-14	5.96	22.53	0.69	5.91
Jun-14	5.81	22.21	0.68	5.80
Sep-14	5.55	21.85	0.64	5.68
Dec-14	5.34	21.66	0.62	5.60

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

Service Provider	Subscriber Base (million) Dec-14			Share of Rural subscription (%)
	Rural	Urban	Total	
BSNL	5.28	11.65	16.93	31.20
MTNL	-	3.52	3.52	--
Bharti	-	3.39	3.39	--
Reliance	0.002	1.18	1.19	0.17
Tata	0.05	1.57	1.61	3.02
Quadrant	-	0.22	0.22	--
Sistema	0.01	0.05	0.05	17.74
Vodafone	-	0.08	0.08	--
Total	5.34	21.66	27.00	19.79

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

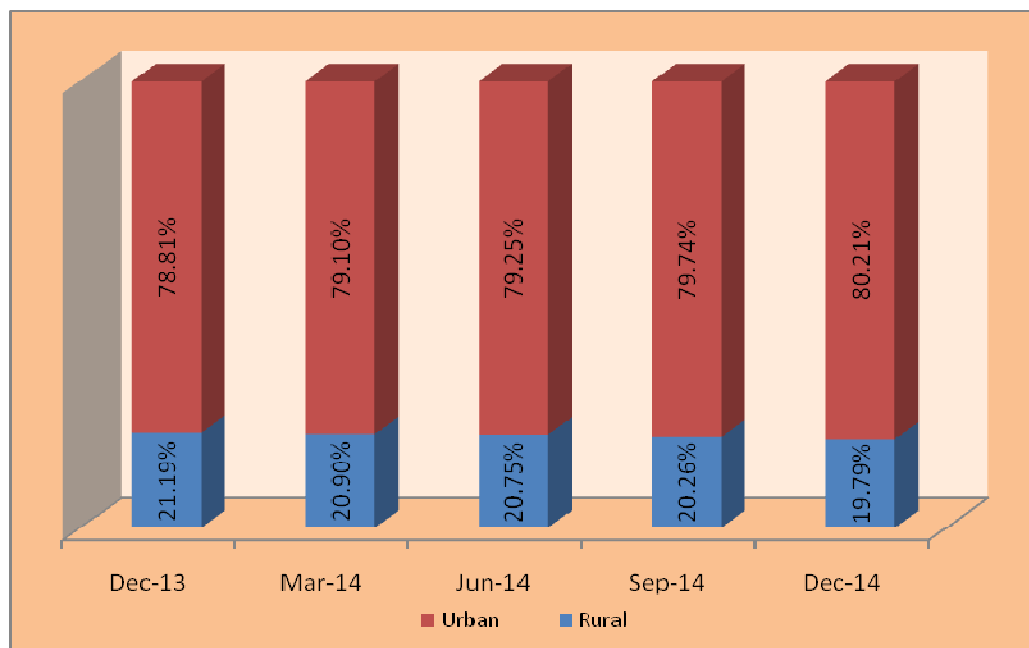


Table 1.19 : Service Provider wise growth in Subscriber base

Service Provider	Subscriber Base (million)			Rate of change (%)	Market share-Sep-14 (%)	Market share-Dec-14 (%)
	Sep-14	Dec-14	Net Addition			
BSNL	17.37	16.93	-0.436	-2.51	63.38%	62.71
MTNL	3.53	3.52	-0.009	-0.24	12.88%	13.04
Bharti	3.37	3.39	0.017	0.50	12.30%	12.55
Tata	1.59	1.61	0.024	1.49	5.81%	5.98
Reliance	1.19	1.19	-0.005	-0.42	4.35%	4.39
Quadrant	0.22	0.22	0.001	0.37	0.82%	0.83
Sistema	0.06	0.05	-0.001	-1.37	0.20%	0.20
Vodafone	0.07	0.08	0.004	4.89	0.26%	0.28
Total	27.41	27.00	-0.406	-1.48	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	Sep-14	Dec-14	Net Additions (in million)	Rate of Change (%)
Andhra Pradesh	1.96	1.92	-0.042	-2.16
Assam	0.18	0.18	-0.002	-1.30
Bihar	0.38	0.37	-0.003	-0.74
Delhi	3.11	3.12	0.009	0.28
Gujarat	1.60	1.57	-0.031	-1.96
Haryana	0.48	0.43	-0.046	-9.65
Himachal Pradesh	0.24	0.23	-0.009	-3.77
Jammu & Kashmir	0.16	0.16	-0.004	-2.43
Karnataka	2.26	2.27	0.005	0.21
Kerala	2.77	2.68	-0.084	-3.03
Madhya Pradesh	1.10	1.10	-0.002	-0.15
Maharashtra	2.22	2.16	-0.061	-2.74
Mumbai	3.04	3.04	-0.005	-0.16
North East	0.13	0.13	-0.001	-1.06
Orissa	0.34	0.34	-0.001	-0.33
Punjab	1.17	1.15	-0.023	-1.92
Rajasthan	0.88	0.85	-0.026	-2.94
T.N. (incl. Chennai)	2.82	2.80	-0.022	-0.80
U.P.(E)	0.55	0.53	-0.020	-3.68
U.P.(W)	0.51	0.51	-0.008	-1.58
Kolkata	1.03	1.02	-0.014	-1.39
W.B.	0.47	0.46	-0.014	-3.02
All India	27.41	27.00	-0.406	-1.48

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

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

Service Area	Total Subs	Rural Subs	Urban Subs	% of Rural Subs
Andhra Pradesh	1.92	0.48	1.43	25.22
Assam	0.18	0.03	0.15	18.50
Bihar	0.37	0.11	0.27	28.27
Delhi	3.12	0.00	3.12	0.00
Gujarat	1.57	0.31	1.26	19.52
Haryana	0.43	0.12	0.32	26.64
Himachal Pradesh	0.23	0.16	0.06	71.80
Jammu & Kashmir	0.16	0.03	0.13	17.52
Karnataka	2.27	0.28	1.98	12.48
Kerala	2.68	1.76	0.92	65.52
Madhya Pradesh	1.10	0.16	0.94	14.26
Maharashtra	2.16	0.48	1.68	22.25
Mumbai	3.04	0.00	3.04	0.00
North East	0.13	0.03	0.10	23.71
Orissa	0.34	0.09	0.25	26.51
Punjab	1.15	0.30	0.85	26.22
Rajasthan	0.85	0.18	0.67	21.39
T.N. (incl. Chennai)	2.80	0.47	2.33	16.91
U.P.(E)	0.53	0.08	0.44	16.01
U.P.(W)	0.51	0.06	0.44	12.38
Kolkata	1.02	0.00	1.02	0.00
W.B.	0.46	0.21	0.25	45.33
All India	27.00	5.34	21.66	19.79

Table 1.22: Service Area wise Wireline Teledensity

Service Area	As on 30 th September, 2014			As on 31 st December, 2014		
	Rural Teledensity	Urban Teledensity	Total Teledensity	Rural Teledensity	Urban Teledensity	Total Teledensity
Andhra Pradesh	0.80	5.98	2.24	0.77	5.87	2.19
Assam	0.12	2.93	0.57	0.12	2.87	0.56
Bihar	0.09	1.45	0.28	0.09	1.44	0.28
Delhi	-	-	15.24	-	-	15.18
Gujarat	0.87	4.95	2.56	0.84	4.85	2.50
Haryana	0.77	3.62	1.78	0.66	3.30	1.60
Himachal Pradesh	2.78	8.16	3.40	2.65	7.97	3.27
Jammu & Kashmir	0.32	3.92	1.31	0.31	3.81	1.28
Karnataka	0.78	8.33	3.68	0.74	8.36	3.67
Kerala	6.87	10.52	7.80	6.63	10.26	7.55
Madhya Pradesh	0.21	3.42	1.08	0.21	3.40	1.08
Maharashtra*	0.81	8.28	4.39	0.77	8.17	4.32
Mumbai*						
North East	0.31	2.89	0.95	0.30	2.87	0.94
Orissa	0.26	3.38	0.80	0.26	3.35	0.80
Punjab	1.81	6.56	3.86	1.74	6.44	3.77
Rajasthan	0.36	3.97	1.23	0.33	3.87	1.19
Tamil Nadu (incl. Chennai)	1.64	5.69	4.00	1.62	5.62	3.97
U.P.(E)*	0.09	1.78	0.47	0.08	1.73	0.46
U.P.(W)*						
Kolkata*	0.32	4.81	1.61	0.31	4.73	1.58
W.B.*						
All India	0.64	5.68	2.20	0.62	5.60	2.16

* 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 Dec-14 is 7.79 lakh as compared to 8.54 lakh at the end of Sep-14, showing a decline of 0.74 lakh PCOs. Detailed table is at Annexure -1.4.

Chart 1.11: Trend of Number of PCOs

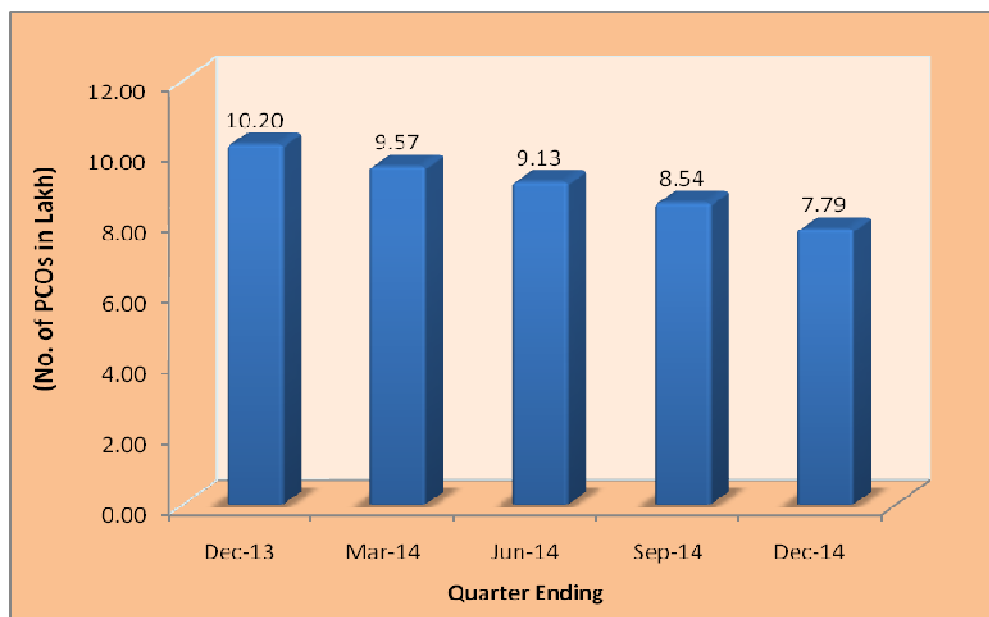


Table 1.23 : Rate of change & Market share of PCOs

Service Provider	Sep-14 (in lakh)	Dec-14 (in lakh)	Rate of change (%)	Market share (%) (Dec-14)
BSNL	5.51	4.94	-10.41	63.35
MTNL	1.40	1.39	-0.62	17.87
Bharti	0.24	0.23	-5.24	2.96
Quadrant	0.03	0.03	-4.95	0.35
Sistema	0.12	0.11	-10.91	1.35
Tata	0.63	0.56	-11.83	7.14
Reliance	0.60	0.54	-10.09	6.98
Vodafone	-	-	-	-
Total	8.54	7.79	-8.73	100

1.31 Number of PCOs continued show declining trend. This quarter has recorded a decline of 8.73%. The year-on-year (Y-O-Y) decline rate over the same quarter of the last year is 23.57%.

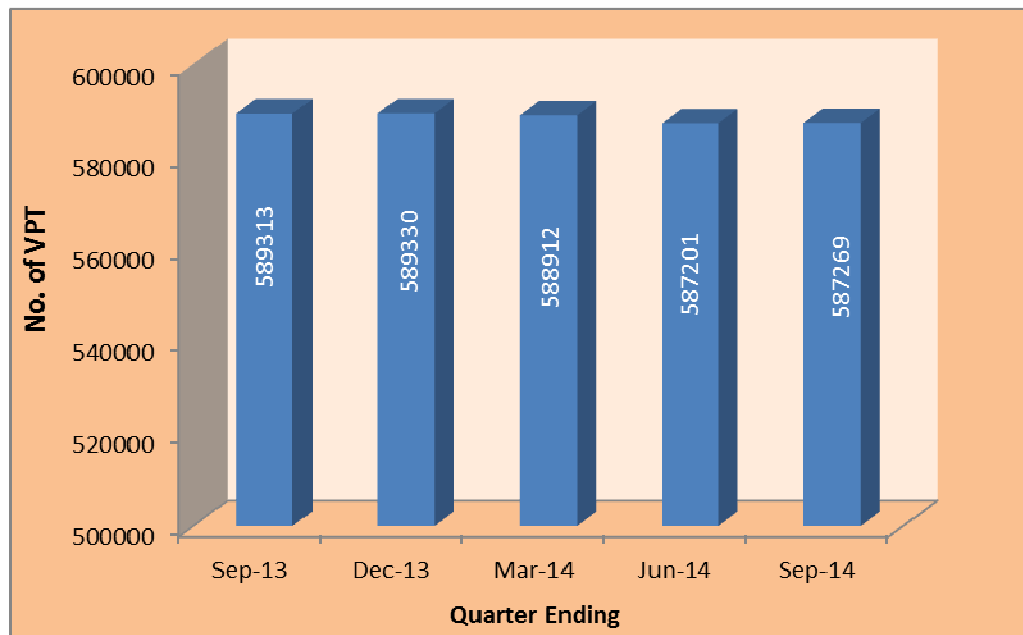
Village Public Telephones (VPTs)

1.32 There are 5,93,731 inhabited villages in India as per census 2001. At the end of the quarter, 98.71% of the total inhabited villages in India have been connected by VPT.

1.33 The number of VPTs decreased from 5,87,269 at the end of Sep-14 to 5,86,087 at the end of Dec-14.

1.34 BSNL (5,81,288) has 99.18% market share of total VPTs followed by Sistema (3010) with 0.51%. Detailed table is at Annexure -1.5.

Chart 1.12: Growth/decline Trend in VPTs



Section D: Internet Service

1.35 The report summarized information submitted by 131 operators. It is divided into three parts. **Part-I** consists of information of Internet service (both narrowband and broadband), **Part-II** consists of broadband service and **Part-III** covers narrowband service.

Part-I : Internet Service (broadband + narrowband)

1.36 As per reports received from operators, total number of internet subscribers increased from 254.40 million at the end of Sep-14 to 267.39 million at the end of Dec-14 with quarterly growth rate of 5.11%.

1.37 Wired Internet subscribers increased from 18.70 million at the end of Sep-14 to 18.86 million at the end of Dec-14 with quarterly growth of 0.89%, whereas Wireless Internet subscribers increased from 235.70 million at the end of Sep-14 to 248.53 million at the end of Dec-14 with quarterly growth rate of 5.44%.

1.38 Number of Broadband subscribers increased from 75.73 million at the end of Sep-14 to 85.74 million at the end of Dec-14. The number of Narrowband subscribers also increased from 178.67 million at the end of Sep-14 to 181.65 million at the end of Dec-14.

Table 1.24: Trend of Internet subscriber base

Segment	Mode of Access								Total Subscribers	
	Wired		Wireless							
			Fixed Wireless (Wi-Fi, Wi-Max, Radio & VSAT)		Mobile Wireless (Phone + Dongle)		Total Wireless			
Sep-14	Dec-14	Sep-14	Dec-14	Sep-14	Dec-14	Sep-14	Dec-14	Sep-14	Dec-14	
Broadband	15.13	15.32	0.42	0.43	60.18	69.99	60.60	70.42	75.73	85.74
Narrowband	3.57	3.54	0.04	0.04	175.06	178.08	175.10	178.12	178.67	181.65
Total	18.70	18.86	0.46	0.47	235.24	248.06	235.70	248.53	254.40	267.39

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

Chart 1.13: Composition of Internet subscription

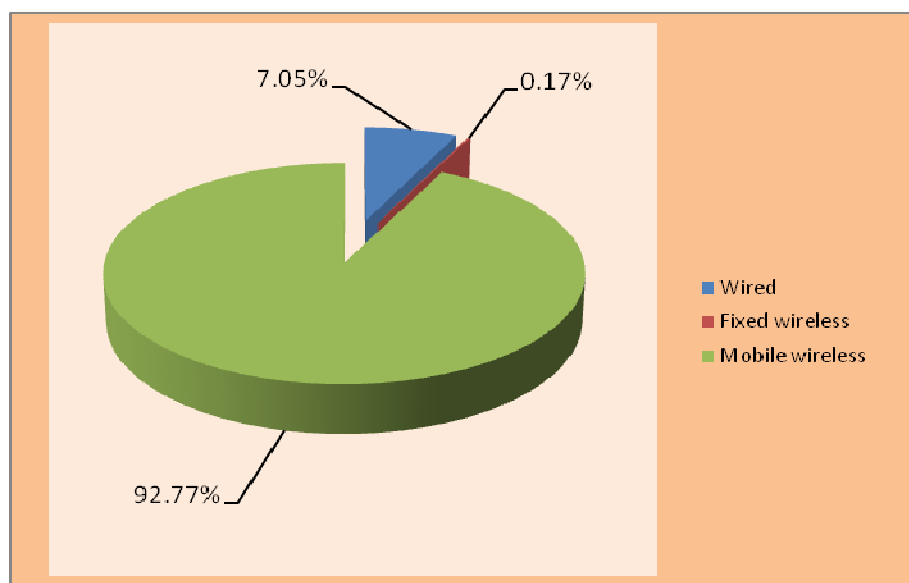
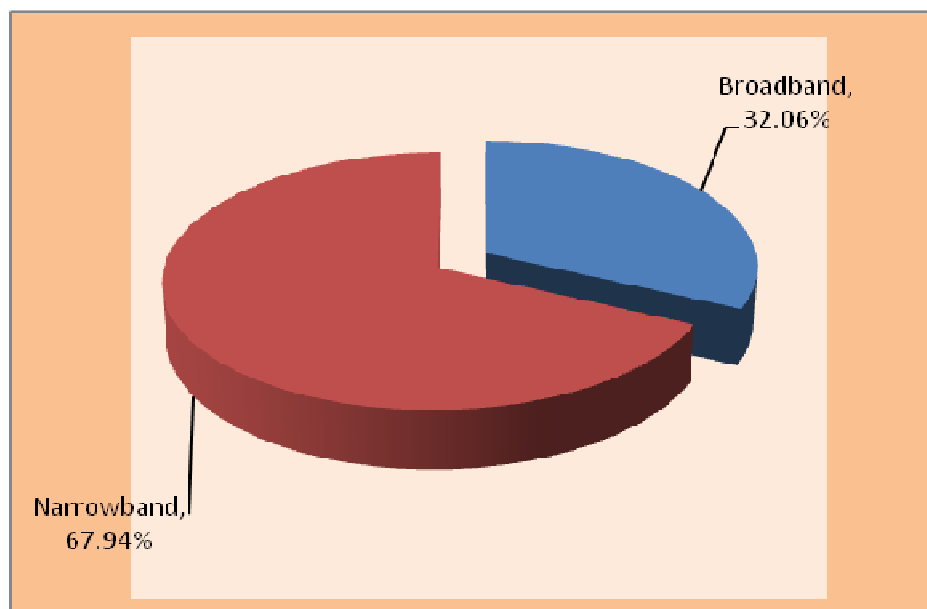


Chart 1.14 : Composition of Broadband & Narrowband subscription



1.40 The urban/rural break up of internet subscribers are as per the following table.

Table 1.25: Break up of Rural-Urban internet subscriber base

[Subscribers in Millions]

Telecom Service Area	Narrowband		Broadband		Total	
	Rural	Urban	Rural	Urban	Rural	Urban
Andhra Pradesh	5.85	7.20	1.73	5.03	7.58	12.23
Assam	2.04	1.59	0.40	0.71	2.44	2.30
Bihar	5.97	5.21	0.97	1.74	6.93	6.95
Delhi	1.09	7.80	0.26	8.14	1.35	15.94
Gujarat	4.81	6.91	1.17	4.79	5.99	11.70
Haryana	2.33	2.00	0.51	1.07	2.85	3.07
Himachal Pradesh	1.02	0.70	0.37	0.28	1.39	0.98
Jammu & Kashmir	1.48	0.91	0.28	0.41	1.76	1.32
Karnataka	3.12	7.47	1.31	5.27	4.43	12.74
Kerala	3.26	3.70	1.97	3.38	5.23	7.08
Kolkata	0.87	3.56	0.19	2.30	1.06	5.86
Madhya Pradesh	4.29	5.98	0.31	3.25	4.60	9.24

Telecom Service Area	Narrowband		Broadband		Total	
	Rural	Urban	Rural	Urban	Rural	Urban
Maharashtra	6.48	9.74	1.64	6.24	8.13	15.98
Mumbai	0.74	5.76	0.12	6.66	0.86	12.42
North East	1.26	1.18	0.34	0.51	1.60	1.69
Orissa	2.01	2.46	0.35	1.03	2.36	3.49
Punjab	4.02	4.50	0.47	2.12	4.49	6.62
Rajasthan	4.69	5.95	1.28	2.44	5.97	8.39
Tamil Nadu	4.16	9.07	1.95	6.92	6.10	16.00
UP (East)	7.13	6.69	0.73	2.02	7.85	8.71
UP (West)	3.72	5.01	0.67	2.17	4.39	7.18
West Bengal	3.89	4.04	0.92	1.30	4.81	5.34
Total	74.23	107.43	17.95	67.78	92.18	175.21
	181.65		85.74		267.39	

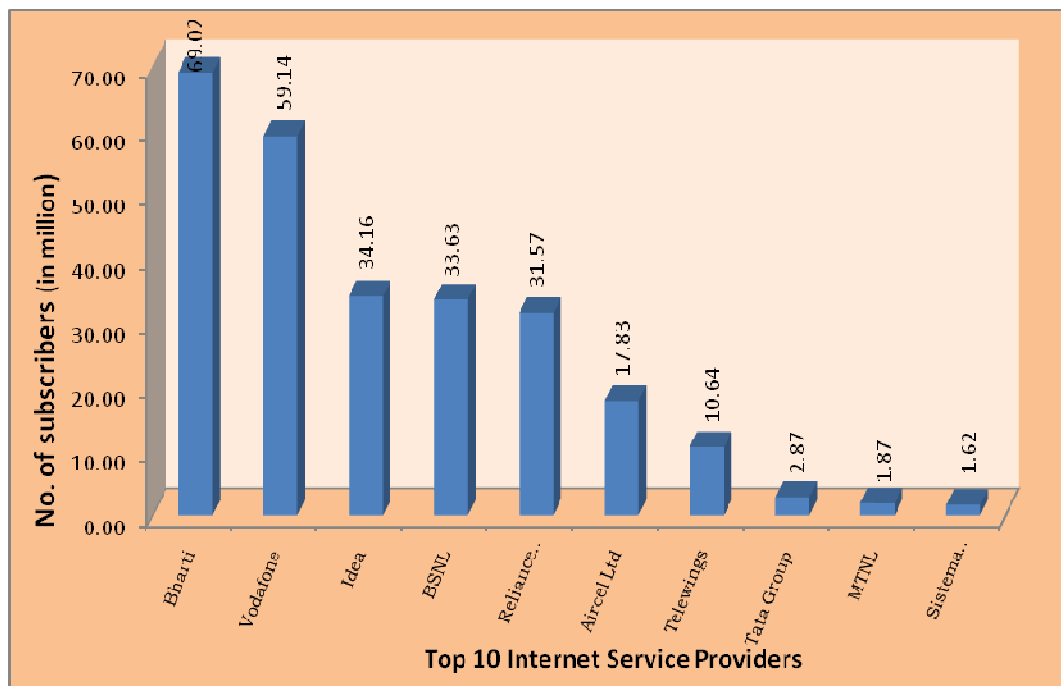
Table 1.26: Internet Subscriber Base and Market Share of top 10 Service Providers – Dec-14

S.No	ISP	Subs	Share (%)
1	Bharti	69018899	25.81%
2	Vodafone	59140008	22.12%
3	Idea	34163242	12.78%
4	BSNL	33631637	12.58%
5	Reliance Communication Group	31566837	11.81%
6	Aircel	17825555	6.67%
7	Telewings	10636210	3.98%
8	Tata Group	2866406	1.07%
9	MTNL	1872395	0.70%
10	Sistema Shyam	1616329	0.60%
	Total of Top 10 ISPs	262337518	98.11%
	Others	5052524	1.89%
	Grand Total	267390042	100.00%

1.41 Bharti holds the top position with 25.81% of market share of internet subscribers followed by Vodafone with 22.12%. Top 10 Service Providers together hold 98.11% of total internet subscriber base. Detailed table of all the service providers is available at Annexure-1.6.

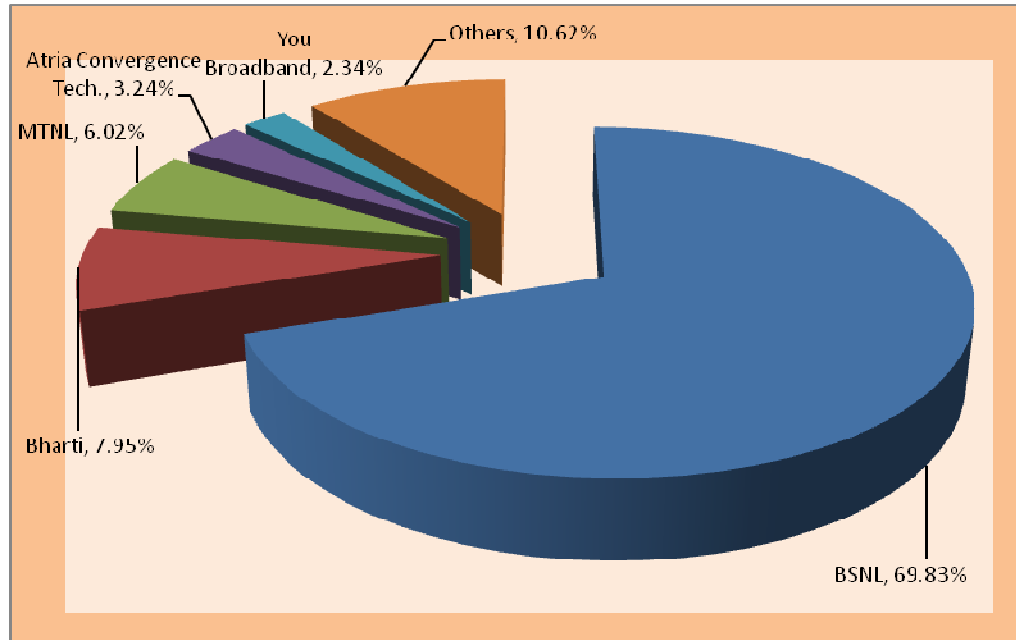
1.42 The following chart depicts the subscriber base of top ten ISPs in the QE Dec-14.

Chart 1.15 : Subscriber base of top ten ISPs



1.43 In wired internet segment, BSNL holds 69.83% market share with 13.17 million subscribers, followed by Bharti with 1.50 million subscribers. Total number of wired internet subscriber is 18.86 million at the end of Dec-14.

Chart 1.16 : Composition of Wired Internet subscribers



1.44 In wireless internet segment, Bharti holds 27.17% market share with 67.52 million subscribers followed by Vodafone (59.13 million internet subscribers).

Chart 1.17 : Composition of Wireless Internet subscription

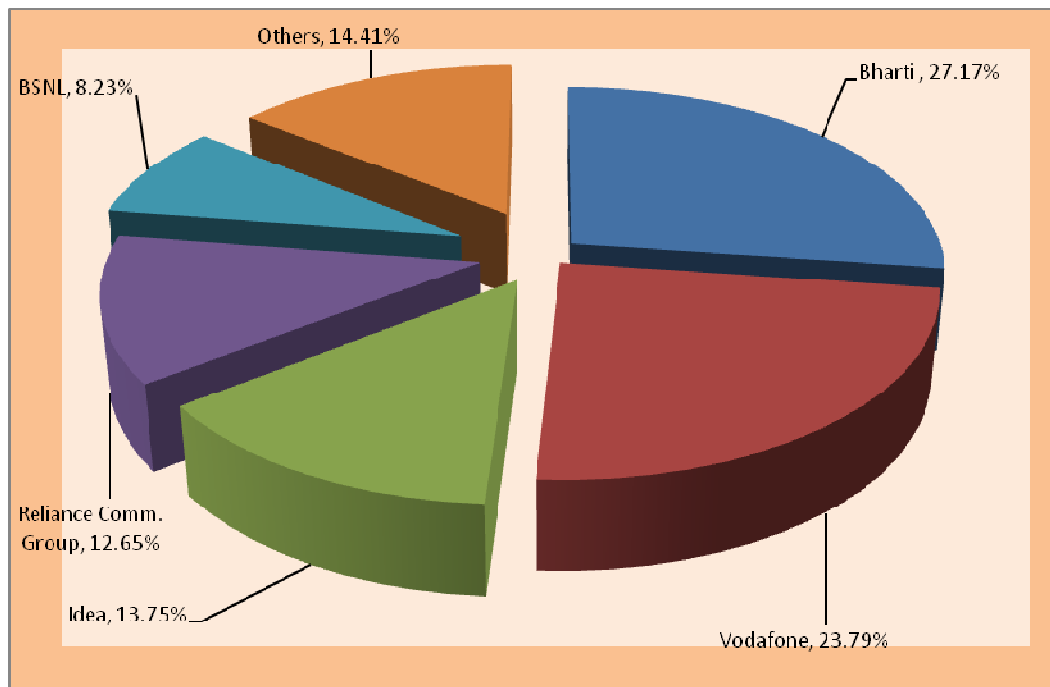


Chart 1.18 : Technology trend for Wireless Internet Access – Dec-14

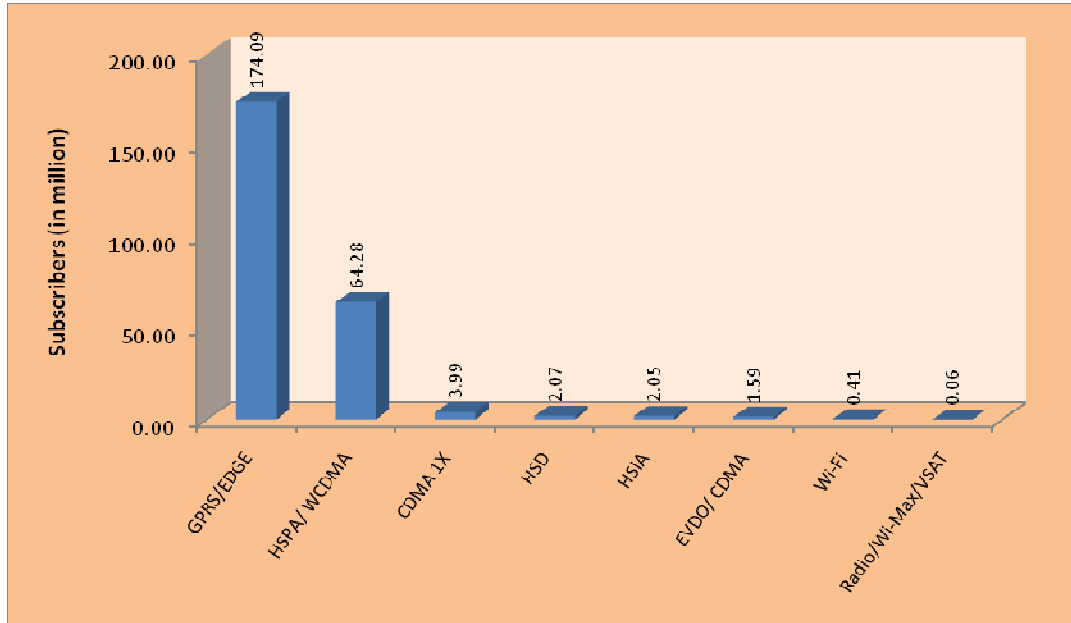
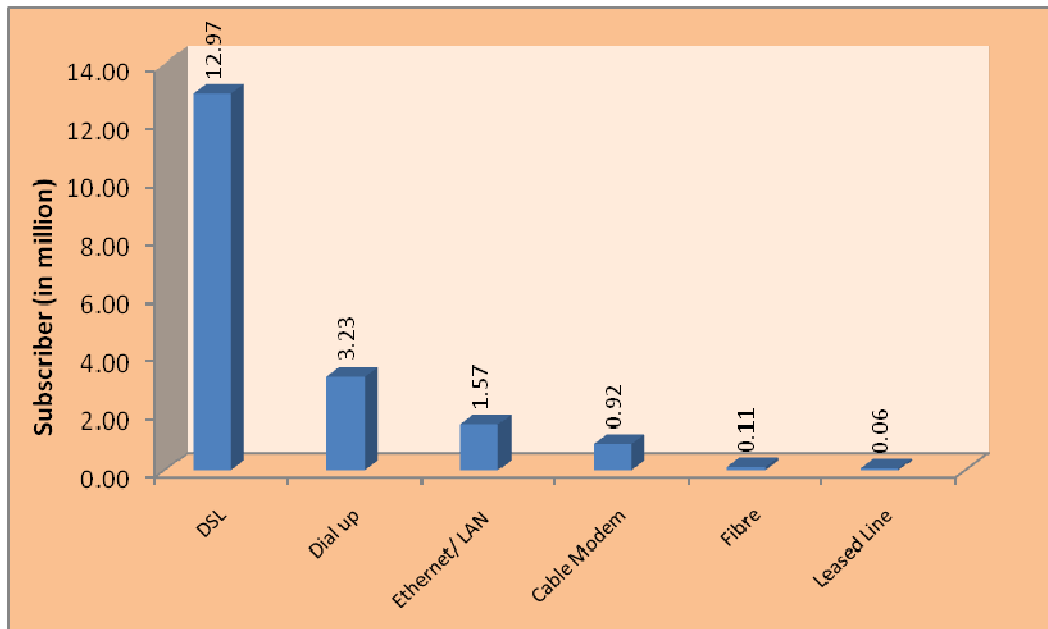


Chart 1.19 : Technology trend for Wired Internet Access – Dec-14



1.45 Top five service areas in terms of internet subscriptions (wired + wireless) are Maharashtra (24.10 million), Tamil Nadu including Chennai (22.10 million), Andhra Pradesh (19.82 million), Gujarat (17.69 million) and Delhi (17.28 million).

Table 1.27 : Service Area wise number of Internet Subscribers per 100 population

Service Area	Internet Subscribers (in million)			Internet subscribers per 100 population		
	Rural	Urban	Total	Rural	Urban	Total
Andhra Pradesh	7.58	12.23	19.82	12.01	50.11	22.68
Assam	2.44	2.30	4.74	9.06	45.43	14.85
Bihar	6.93	6.95	13.88	5.92	37.25	10.26
Delhi	-	-	17.28	-	-	84.59
Gujarat	5.99	11.70	17.69	16.34	44.98	28.32
Haryana	2.85	3.07	5.92	16.36	31.96	21.98
Himachal Pradesh	1.39	0.98	2.37	22.38	120.14	33.75
J & K	1.76	1.32	3.08	19.82	38.91	25.17
Karnataka	4.43	12.74	17.17	11.66	53.69	27.89
Kerala	5.23	7.08	12.31	19.72	78.57	34.71
Madhya Pradesh	4.60	9.24	13.84	6.19	33.27	13.60
Maharashtra*	8.13	15.98	24.10	14.34	49.20	31.15
Mumbai*	0.86	12.42	13.27			
North East	1.60	1.69	3.29	15.50	49.30	23.98
Orissa	2.36	3.49	5.86	6.81	47.46	13.95
Punjab	4.49	6.62	11.11	25.93	50.21	36.52
Rajasthan	5.97	8.39	14.36	10.96	48.44	20.07
Tamil Nadu (incl. Chennai)	6.10	16.00	22.10	20.90	38.65	31.36
UP (East)*	7.85	8.71	16.57	7.06	31.13	12.58
UP (West)*	4.39	7.18	11.57			
Kolkata*	1.06	5.86	6.92	8.77	41.70	18.25
West Bengal*	4.81	5.34	10.15			
Total	92.18	175.21	267.39	10.66	45.33	21.37

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

Notes:

- 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.

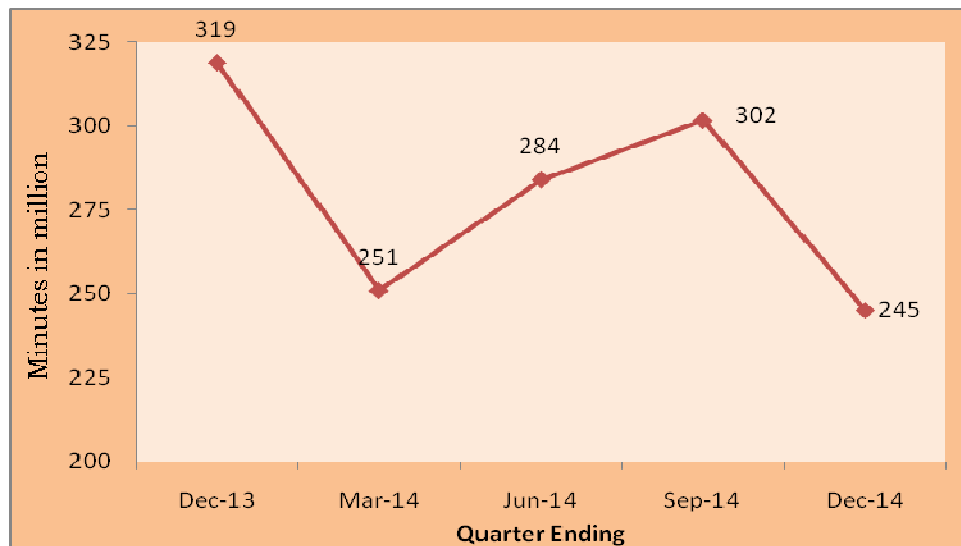
ISP Connectivity

1.46 The International Internet bandwidth owned by various ISPs is reported to be 1295 GB during the quarter ending Dec-14 as compared to 1409 GB during the previous quarter.

Internet Telephony

1.47 As per the report available with the TRAI from 19 ISPs providing Internet Telephony services, the total outgoing minutes of usage for internet telephony decreased from 302 million during the Q.E. Sep-14 to 245 million during the Q.E. Dec-14. List of these Internet Telephony Service providers is available at Annexure-1.7.

Chart 1.20 : Trends in MOU for Internet Telephony

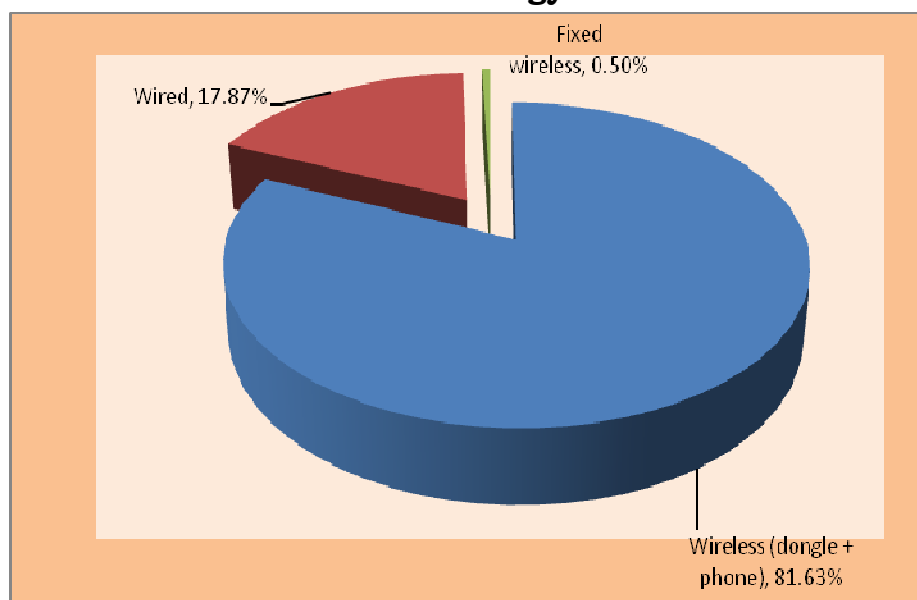


Part-II : Broadband Service (Download Speed \geq 512 Kbps)

1.48 As per information received from service providers, the total number of broadband subscribers increased from 75.73 million at the end of Sep-14 to 85.74 million at the end of Dec-14. Out of which wired broadband subscribers are 15.32 million and wireless broadband subscribers are 70.42 million.

- 1.49 Top five broadband (wired+wireless) service providers in term of subscribers are Bharti (19.19 million), BSNL (18.90 million), Vodafone (16.65 million), Idea (12.95 million) and Reliance Communications Group (7.11 million).
- 1.50 In wired broadband segment, BSNL holds 65.14% market share with 9.98 million subscribers followed by Bharti with 1.41 million and MTNL with 1.13 million subscribers.
- 1.51 In wireless broadband segment, Bharti holds 25.25% market share with 17.78 million subscribers followed by Vodafone with 16.64 million and Idea Cellular with 12.95 million subscribers.
- 1.52 Top five service areas in respect of broadband subscriptions are Tamil Nadu including Chennai (8.87 million), Delhi (8.40 million), Maharashtra (7.88 million), Mumbai (6.78 million) and Andhra Pradesh (6.76 million).

Chart 1.21 : Composition of Broadband subscription – Technology wise

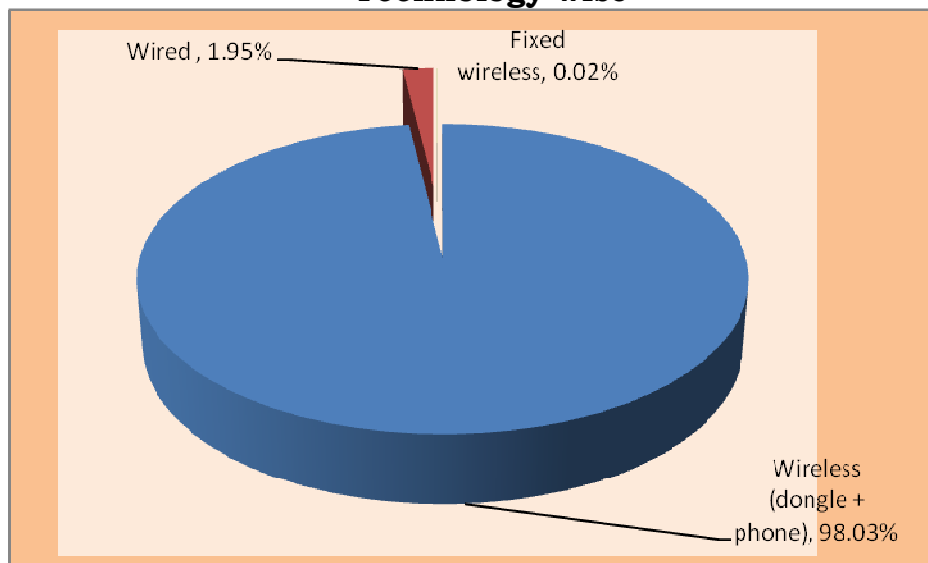


- 1.53 Mobile Device Users (dongle + phone) constitute 81.63% of total broadband subscribers.

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

- 1.54 As reported by the service providers, total number of narrowband subscribers increased from 178.67 million at the end of Sep-14 to 181.65 million at the end of Dec-14. Out of which Wired Narrowband subscribers are 3.54 million and Wireless Narrowband subscribers are 178.12 million.
- 1.55 The top five narrowband (wired + wireless) service providers in term of subscriber base are Bharti (49.83 million), Vodafone (42.49 million), Reliance Communications Group (24.46 million), Idea Cellular (21.21 million) and Aircel (15.68 million).
- 1.56 In wired narrowband segment, BSNL holds 90.13% market share with 3.19 million subscribers followed by Bharti (0.09 million) and Tata (0.07 million).
- 1.57 In wireless narrowband segment, Bharti holds 27.93% market share with 49.74 million subscribers followed by Vodafone (42.49 million) and Reliance Communications Group (24.44 million).

Chart 1.22 : Composition of Narrowband subscription – Technology wise



Section E : Other Value Added Services - PMRTS & VSAT

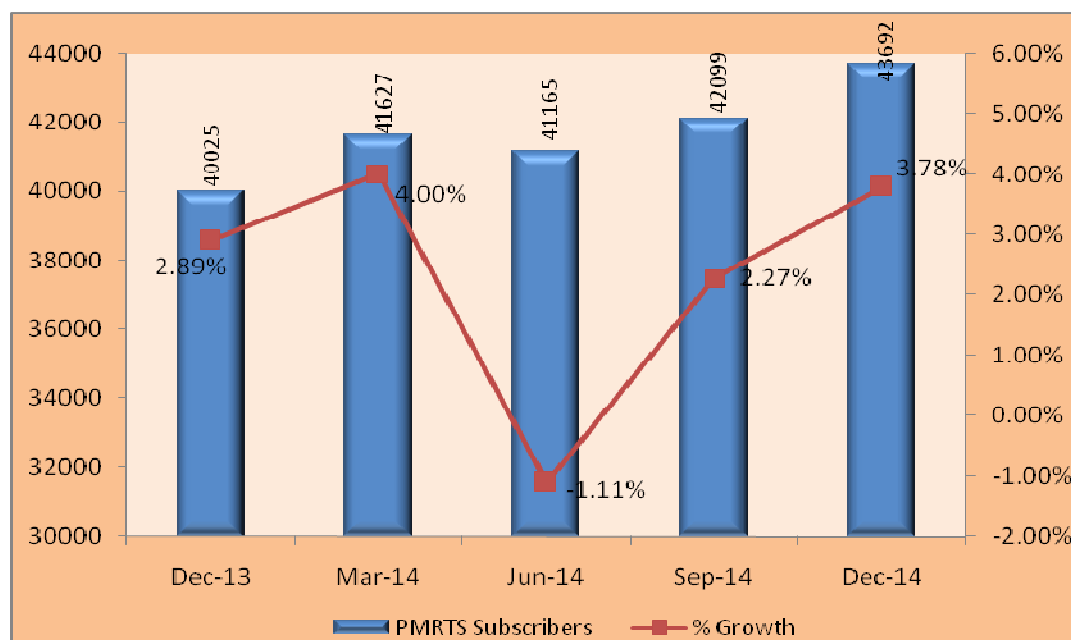
Public Mobile Radio Trunk Services (PMRTS)

1.58 The subscriber base of PMRTS increased from 42,099 at the end of Sep-14 to 43,692 at the end of Dec-14 with quarterly growth rate of 3.78%.

Table 1.28 : PMRTS Subscriber base - Service Provider wise

Sr. No.	Name of the Service Provider	Subscriber Base as on 30.09.2014	Subscriber Base as on 31.12.2014	%age Growth in Subscribers	%age in Market Share as on 31.12.2014
1	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	34104	39887	16.96	91.29
2	Procall Ltd.	4490	1605	-64.25	3.67
3	QuickCall	2413	2064	-14.46	4.72
4	Smartalk Pvt Ltd.	691	31	-95.51	0.07
5	Bhilwara Telenet Services Pvt.Ltd.	401	105	-73.82	0.24
	Total	42099	43692	3.78	100

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



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

Very Small Aperture Terminal (VSAT)

1.60 The total number of VSAT subscribers increased from 2,25,602 at the end of Sep-14 to 2,30,231 at the end of Dec-14. Net addition during the quarter has been 4,629 at the quarterly growth rate of 2.05%.

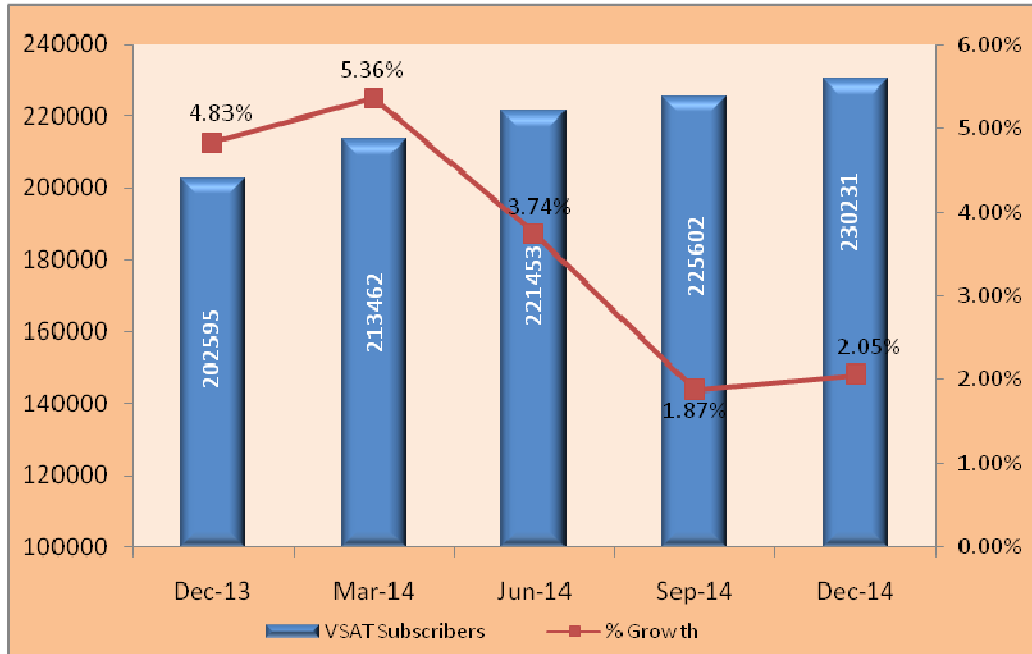
Table 1.29 : VSAT Service Providers currently providing service & their subscriber base

Sr. No	Name of Service Providers	Subscriber base at the Quarter ending		%age Growth	Market Share (%) Dec-14
		Sep-14	Dec-14		
1	Hughes Communications Ltd.	96024	98867	2.96	42.94
2	Bharti Airtel Limited,	53911	54716	1.49	23.77
3	Tatanet Services	32251	32343	0.29	14.05
4	HCL Comnet	20507	20468	-0.19	8.89
5	BSNL	16414	17031	3.76	7.40
6	Infotel Satcom	1625	1628	0.18	0.71
7	Essel Shyam	374	374	0.00	0.16
8	Infinium India Ltd.	2546	2721	6.87	1.18
9	National Informatics Centre Services Incorporated (NICSI)	1950	2083	6.82	0.90
	Total	225602	230231	2.05	100

1.61 Hughes Communication Limited continues to be the market leader with subscriber base of 98,867.

1.62 Infinium India Ltd has recorded maximum growth rate of 6.87% followed by NICS I with 6.82%, whereas HCL Comnet has 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 October, 2014 to 31st December, 2014 in the various service areas.

Section A: GSM Service

Table 2.1: Key Indicators - GSM Service

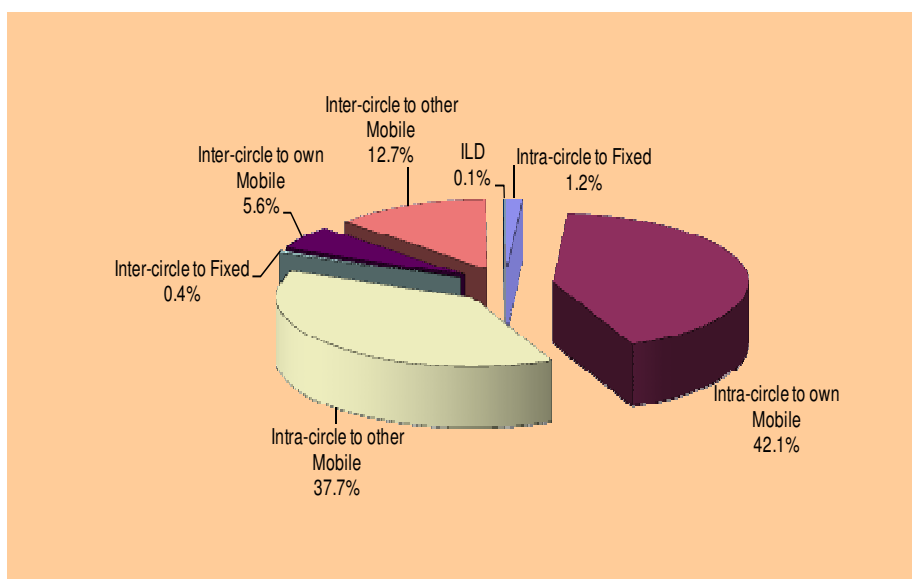
Parameter	Q.E. Dec-14	Q.E. Sep-14	Q.E. Dec-13	QoQ %age change over Sep-14	YoY %age change over Dec-13
Subscriber Base# (million)	890.31	875.86	823.23	1.65	8.15
Share of Prepaid (%)	95.71	95.80	95.99	-0.09	-0.29
Incoming MOU* per subscriber per month	194	194	195	0.02	-0.35
Outgoing MOU* per subscriber per month	182	182	184	0.14	-1.20
No. of Outgoing SMS per subscriber per month	25	24	28	3.97	-11.68
Average Revenue Per User (ARPU) per month	118	116	112	2.35	5.80

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

* Minutes of Usage

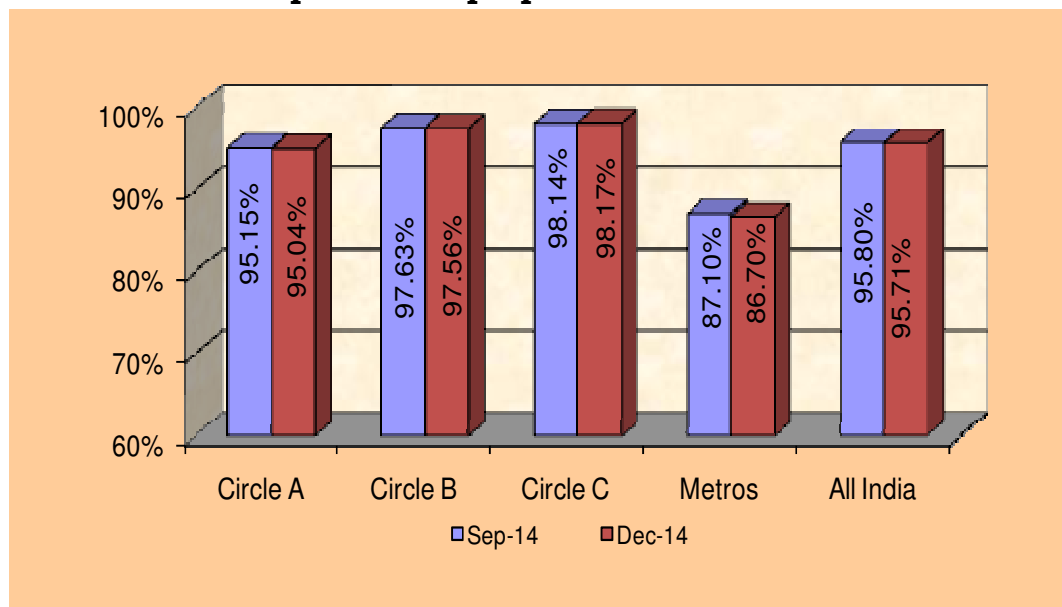
2.1 The following chart presents % break-up of outgoing minutes from Home Service Area (HSA) in the QE Dec-14.

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 95.80% at the end of Sep-14 to 95.71% at the end of Dec-14.

2.4 The ARPU per month (all India, blended) increased from Rs.116 in Q.E. Sep-14 to Rs.118 in Q.E. Dec-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. December, 2014 (in Rs)		
	Post-paid	Pre-paid	Blended
Circle A	456	109	126
Circle B	445	98	107
Circle C	470	97	104
Metros	495	109	160
All India	466	103	118
All private SPs	472	104	120
BSNL/MTNL	407	91	104

2.5 The ARPU per month for pre-paid segment increased from Rs.101 in QE Sep-14 to Rs.103 in QE Dec-14 and the ARPU per month for post-paid segment also increased from Rs.459 in QE Sep-14 to Rs.466 in QE Dec-14.

2.6 The following table presents the composition of ARPU per month in the Q.E. Dec-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	20.91	16.1
1.2.	Revenue from calls	68.24	52.6
1.3.	Revenue from SMS	3.70	2.9
1.4.	Revenue from data usage	22.19	17.1
1.5.	Revenue from other VAS	5.29	4.1
1.6.	Other revenue	2.17	1.7
2	Usage outside Home Service Area		
2.1.	Revenue from outroamers	7.29	5.6
3	Total revenue from subscribers (1+2)	129.80	100
4	Net inter-operator settlement charges receivable *	-11.36	
5	Net Revenue (ARPU) per month(3+4)	118.44	

* 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.11.36) accounts for 8.75% of the total revenue from subscribers.

2.8 Revenue from data usage from home service area increased from Rs.20.48 per subscriber per month in the QE Sep-14 to Rs.22.19 in the QE Dec-14.

2.9 On an all India average, the overall minutes of usage (MOU) per subscriber per month at 376 for QE Dec-14 remained almost same level as in the previous quarter.

2.10 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	566	405	971	164	167	331	184	179	363
Circle B	560	375	934	159	192	351	168	196	365
Circle C	526	370	897	174	225	399	180	228	408
Metro	530	356	886	193	170	363	237	194	431
All India	552	381	933	166	186	352	182	194	376

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

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

2.12 No. of outgoing SMS per subscriber per month decreased from 24 in Q.E. Sep-14 to 25 in Q.E. Dec-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	74	31	33
Circle B	59	19	20
Circle C	39	15	15
Metro	58	26	30
All India	64	23	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

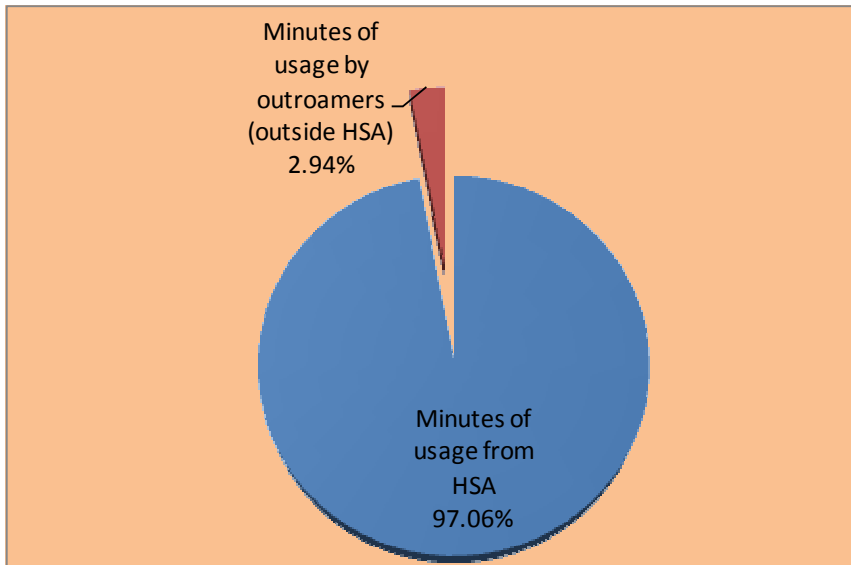
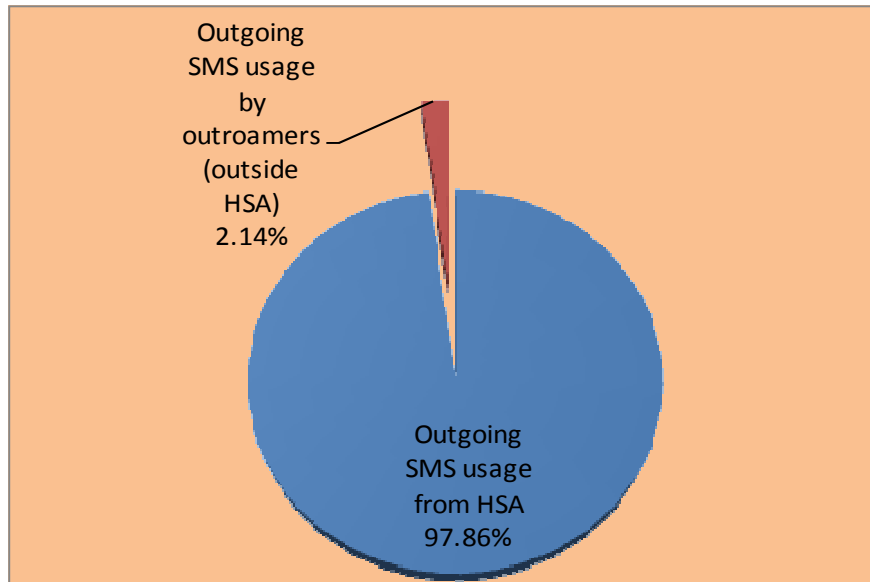


Chart 2.4: Outgoing SMS Usage by Out-roamers as a % of Total No. of Outgoing SMS Usage



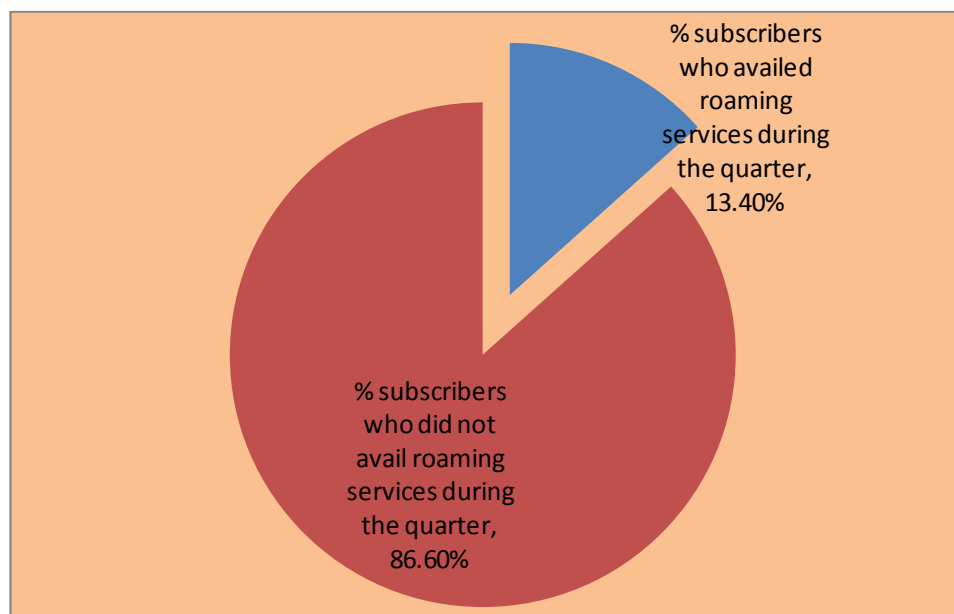
2.13 The following table presents the percentage break-up of outgoing minutes of usage from home service area between various categories of termination networks.

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	1.37	39.50	42.30	0.31	4.73	11.67	0.13
Circle B	0.89	45.98	36.97	0.41	5.05	10.59	0.10
Circle C	1.06	52.55	31.59	0.72	4.69	9.34	0.05
Metros	1.87	25.19	33.78	0.63	11.34	26.88	0.31
All India	1.20	42.12	37.75	0.45	5.62	12.73	0.13

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

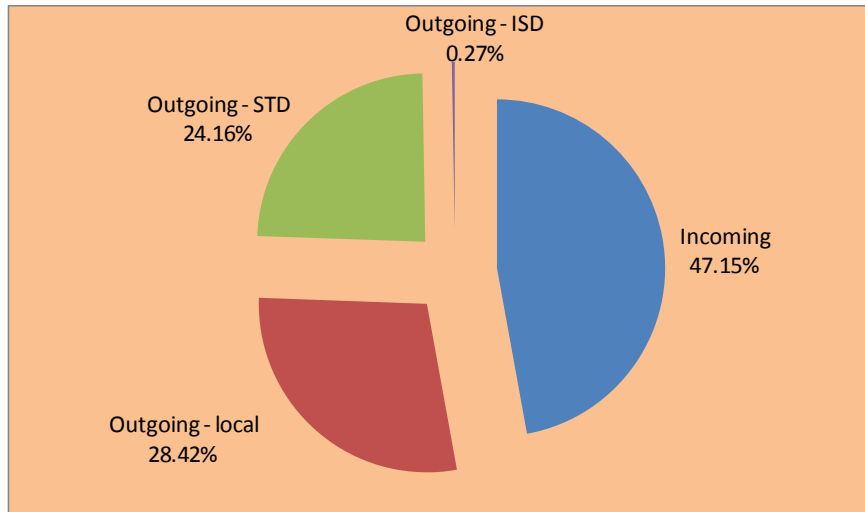
Chart 2.5: % subscribers who availed roaming services during the quarter



2.15 The usage pattern of out-roamers i.e. usage from outside the home service area shows that incoming minutes accounts for 47.15% of the total minutes of usage by out-roamers as against 46.95% in the previous quarter.

2.16 The chart given below presents the break-up of minutes of usage of out-roamers during the Q.E. Dec-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)

2.17 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	0.52	0.53
Circle B	0.55	0.48	0.48
Circle C	0.60	0.44	0.45
Metros	0.65	0.54	0.57
All India	0.58	0.50	0.51

2.18 All India average subscriber outgo per outgoing minute increased from ₹ 0.50 in the QE Sep-14 to ₹ 0.51 in the QE Dec-14.

Table 2.8: Trends of Key Parameters - GSM Service

Parameter	Dec-13	Mar-14	Jun-14	Sep-14	Dec-14
1. ARPU (₹ Per month)	112	113	119	116	118
2. MOU per subscriber per month	379	389	390	376	376
3. Outgoing MOU per subscriber per month					
3.1 Local (Intra-circle)	147	151	153	146	146
3.2 NLD (inter-circle)	37	37	36	36	36
3.3 ILD	0.3	0.3	0.3	0.3	0.3
4. No. of Outgoing SMS per subscriber per month	28	27	25	24	25
5. Average subscriber Outgo per outgoing minute from HSA (₹)	0.51	0.50	0.51	0.50	0.51

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

Section B: CDMA - Full Mobility Service

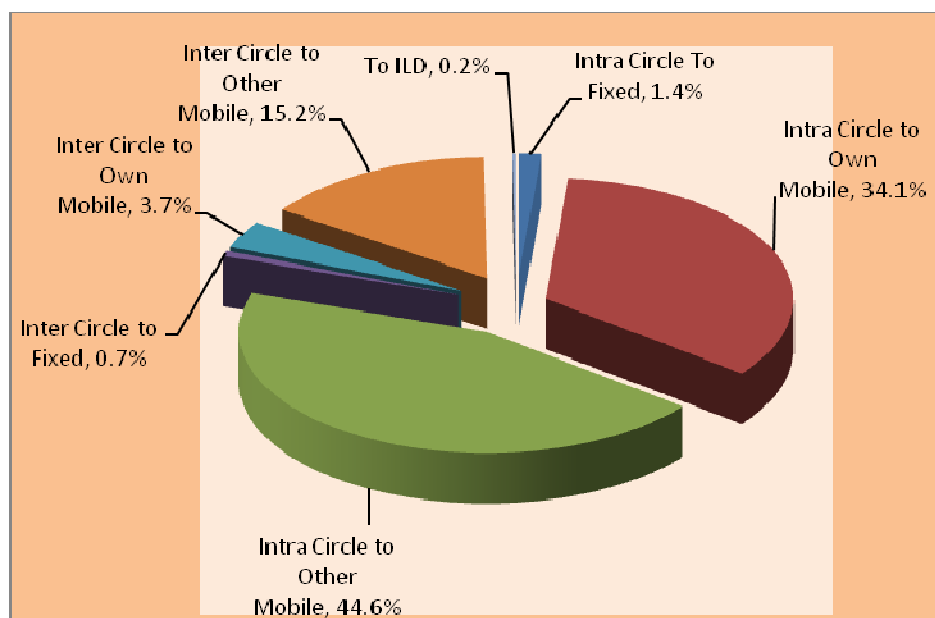
Table 2.9: Key Indicators - CDMA Full Mobility Service

Parameters	QE Dec-14	QE Sep-14	QE Dec-13	QoQ change (%)	YoY change (%)
Subscriber Base in Millions*	43.06	43.63	50.69	-1.29	-15.0
Share of Prepaid (%)	88.9%	88.8%	89.9%	0.02	-1.1
Incoming MOUs per subscriber per month	122.55	126.46	130.25	-3.09	-5.9
Outgoing MOUs per subscriber per month	139.43	140.63	141.35	-0.85	-1.4
No. of Outgoing SMS per subscriber per month	16.42	16.19	17.04	1.41	-3.7
ARPU (Rs. per month)	108.61	110.25	103.60	-1.49	4.8

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

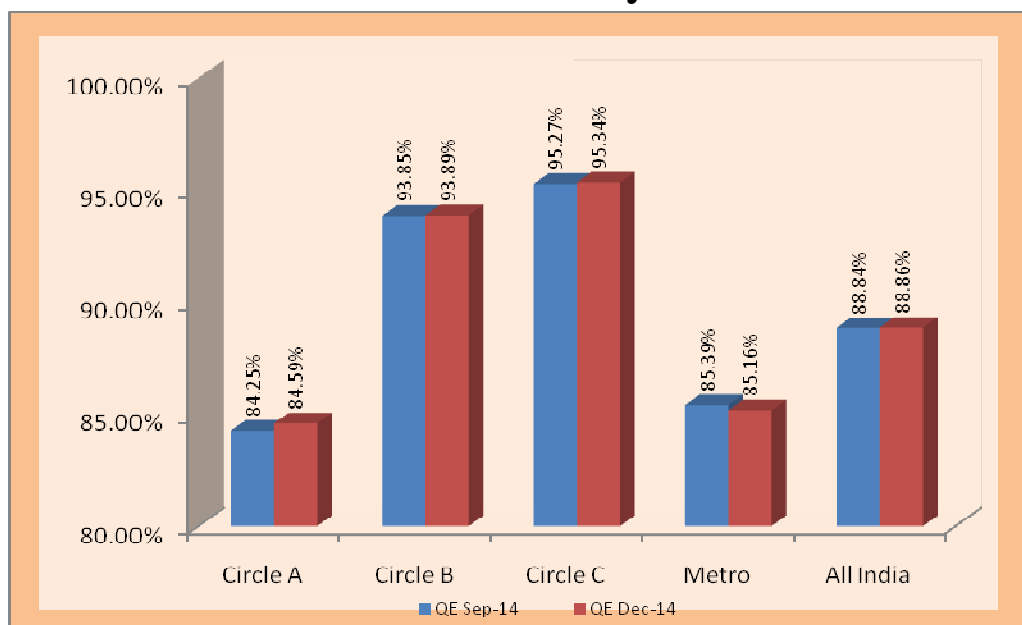
2.20 The following chart depicts % break-up of outgoing minutes from home service area (HSA).

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



2.21 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



2.22 Market share of Prepaid segment increased from 88.84% in QE Sep-14 to 88.86% in QE Dec-14.

2.23 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	472	74	135
Circle B	417	55	78
Circle C	442	55	73
Metro	529	62	130
All India	482	62	109

2.24 The All India blended Average Revenue Per User (ARPU) per month has shown a decrease of 1.49% from Rs.110.25 in QE Sep-14 to Rs.108.61 in QE Dec-14.

2.25 ARPU for Prepaid service decreased by 3.23% from Rs.64.15 in QE Sep-14 to Rs.62.08 in QE Dec-14. ARPU for Postpaid service increased by 0.23% from Rs.480.89 in QE Sep-14 to Rs.481.99 in QE Dec-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	18.82
1.2	Revenue from Calls	42.20	34.72
1.3	Revenue from SMS	3.00	2.47
1.4	Revenue from data usage	45.11	37.11
1.5	Revenue from other VAS	2.70	2.22
1.6	Other Revenue	3.42	2.82
2	Usage Outside Home Service Area		
2.1	Revenue from Out-roamers	2.26	1.86
3	Total Revenue from Subscribers (1+2)	121.57	100
4	Net inter-operator settlement charges receivable*	-12.96	
5	Net Revenue (ARPU) (3+4)	108.61	

* Includes Interconnect Usage Charges and roaming settlement charges

2.26 From the above table, it may be seen that the net inter-operator settlement charges payable (Rs.12.96) accounts for 10.66% of total revenue from subscribers.

2.27 The total MOUs per subscriber per month decreased by 1.91%, from 267 in QE Sep-14 to 262 in QE Dec-14. The outgoing MOUs decreased by 0.85% and incoming MOUs decreased by 3.09% during this quarter.

2.28 Prepaid and postpaid MOUs per subscriber per month decreased by 1.58% and 3.56% respectively in this quarter. No. of Outgoing SMS per subscriber per month has increased by 1.41%, from 16.19 in Sep-14 to 16.42 in QE Dec-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	246	114	360	120	117	237	139	117	255
Circle B	343	165	508	134	137	271	147	139	286
Circle C	429	296	725	104	140	244	119	148	267
Metro	239	120	360	119	98	217	137	102	238
All India	268	133	401	123	121	245	139	123	262

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

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

Circle category	No. of Outgoing SMS per subscriber month		
	Postpaid	Prepaid	Blended
Circle A	12	21	20
Circle B	12	15	15
Circle C	11	10	10
Metro	14	17	17
All India	13	17	16

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

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

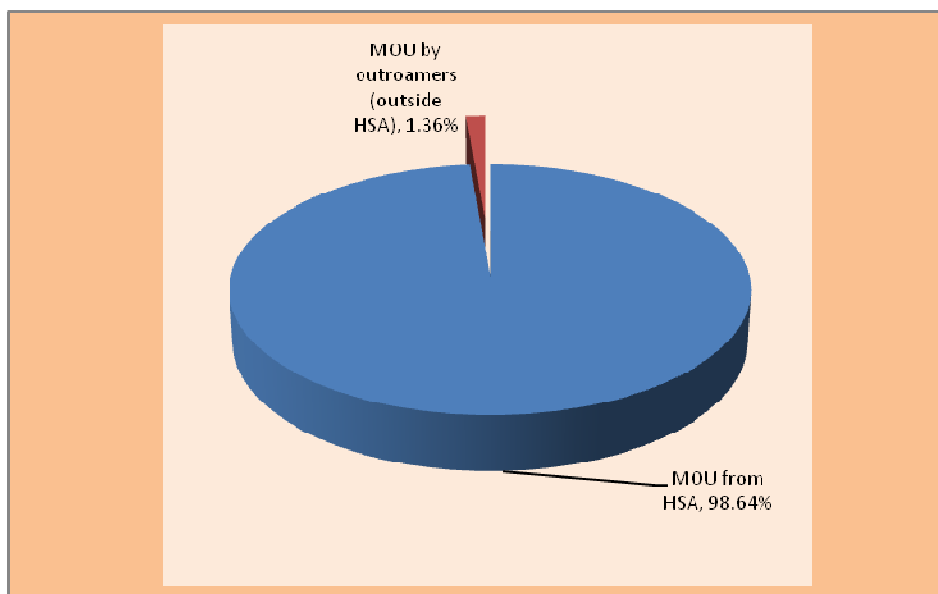


Table 2.14: %Break-up of Outgoing minutes from Home Service Area (HSA) - CDMA Full Mobility Service

Circle	Intra Circle To Wireline (%)	Intra Circle to Own Wireless (%)	Intra Circle to Other Wireless (%)	Inter Circle to Wireline (%)	Inter Circle to Own Wireless (%)	Inter Circle to Other Wireless (%)	ILD (%)
Circle A	1.9	29.1	56.5	0.7	2.3	9.0	0.4
Circle B	0.8	41.1	44.0	0.6	3.5	9.9	0.1
Circle C	1.8	42.7	28.4	1.8	4.9	20.4	0.1
Metro	1.4	34.1	44.6	0.7	3.7	15.2	0.2
All India	1.4	34.1	44.6	0.7	3.7	15.2	0.2

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

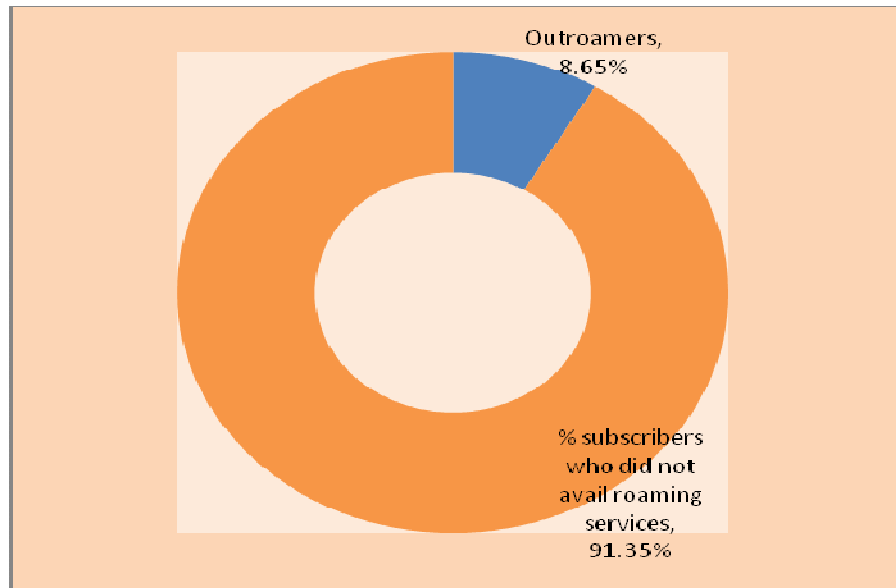


Chart 2.11: Percentage breakup of minutes of usage of Out-roamers (usage from outside the Home Service Area)

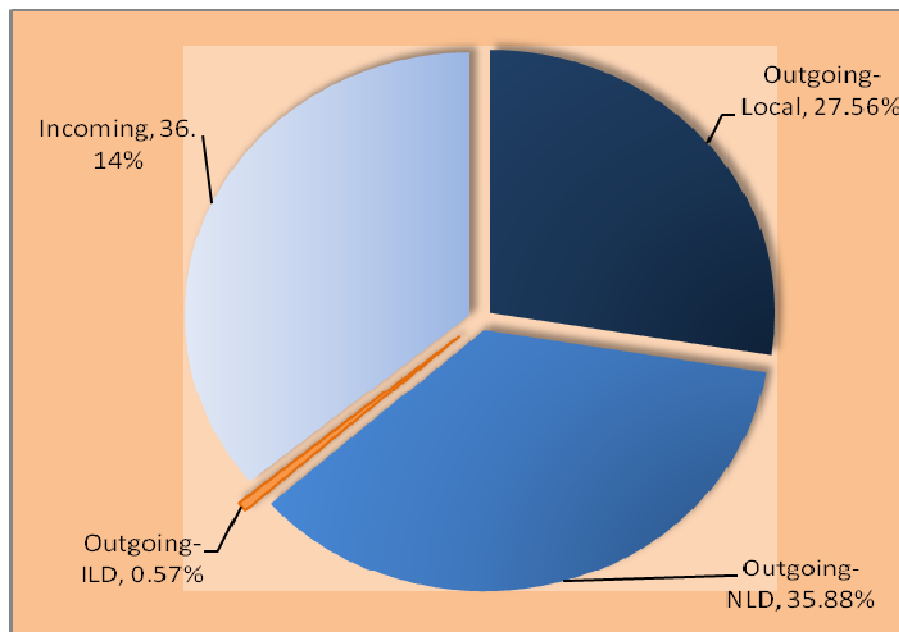


Table 2.15: Average subscriber outgo per outgoing minute from HSA - CDMA Full Mobility Service

Circle Category	[₹ Per min]		
	Postpaid	Prepaid	Blended
Circle A	0.90	0.39	0.52
Circle B	0.64	0.30	0.35
Circle C	0.78	0.45	0.51
Metros	1.01	0.43	0.58
All India	0.87	0.37	0.47

Average Subscriber Outgo per Outgoing Minute for usage from HSA =

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

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

Parameter	Dec-13	Mar-14	Jun-14	Sep-14	Dec-14
1. ARPU (₹ Per month)	104	105	112	110	109
2. MOU per subscriber per month	272	275	283	267	262
3. Outgoing MOU per subscriber per month					
3.1 Local (Intra-circle)	112	112	115	110	110
3.2 NLD (inter-circle)	26	28	28	28	27
3.3 ILD	0.25	0.28	0.31	0.34	0.32
4. Outgoing SMS per subscriber per month	17	17	17	16	16
5. Average subscriber Outgo per outgoing minute from HSA (₹)	0.48	0.47	0.48	0.47	0.47

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

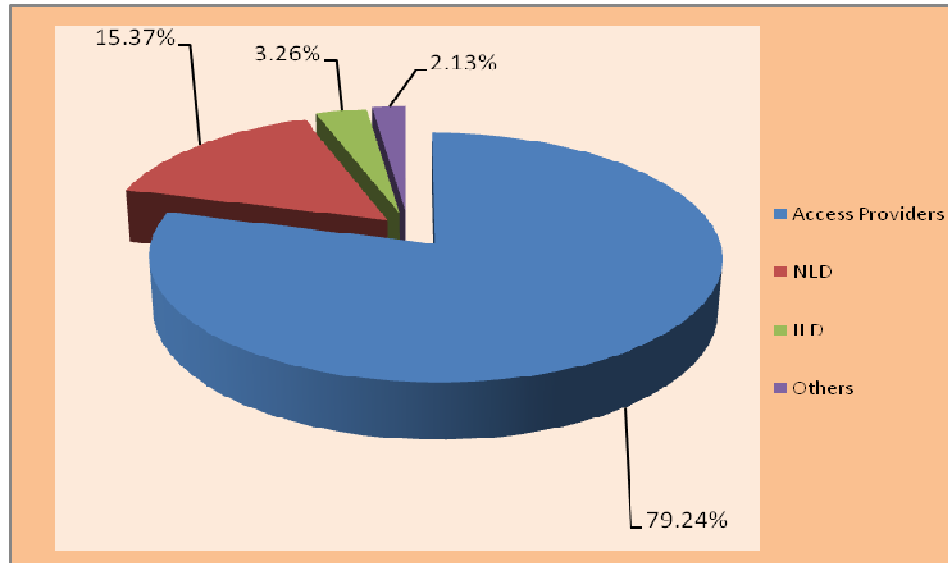
Particulars	QE Dec-13 (₹ in Crore)	QE Sep-14 (₹ in Crore)	QE Dec-14 (₹ in Crore)	Q-O-Q % Change Over Sep-14	Y-O-Y % Change over Dec-13
Gross Revenue (GR)	58385	62447	63955	2.41	9.54
Adjusted Gross Revenue (AGR)	39575	43229	43591	0.84	10.15
Pass Through (GR-AGR)	18810	19217	20364	5.97	8.26
License Fee	3168	3459	3489	0.86	10.14
Spectrum Usage Charges	1585	1683	1756	4.31	10.82

- 3.1 Gross Revenue (GR) and Adjusted Gross Revenue (AGR) increased by 2.41% and 0.84% respectively in the QE Dec-14.
- 3.2 Pass through increased by 5.97% in the QE Dec-14, and on annual basis it has increased by 8.26%.
- 3.3 Pass-through charges as % Gross Revenue: 31.84% in QE Dec-14 as against 30.77% 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	48339	34542	2765	1753
NLD	8829	6701	536	-
ILD	3695	1419	114	-
Others	3093	927	74	3
Total	63955	43591	3489	1756

Chart 3.1: Composition of Adjusted Gross Revenue



3.4 Access services contributed 79.24% to the total Adjusted Gross Revenue (AGR) of telecom services. In Access services, Gross Revenue, Adjusted Gross Revenue (AGR), License Fee, Spectrum Usage Charges and Pass Through Charges increased by 3.63%, 2.59%, 2.61%, 3.90% and 6.34% respectively in QE Dec-14.

3.5 Monthly ARPU based on AGR for Access services increased from ₹118.20 for Q.E. Sep-14 to ₹119.47 for Q.E. Dec-14. Chart below shows the trend in ARPU.

Chart 3.2: Trend in ARPU per month for Access Services

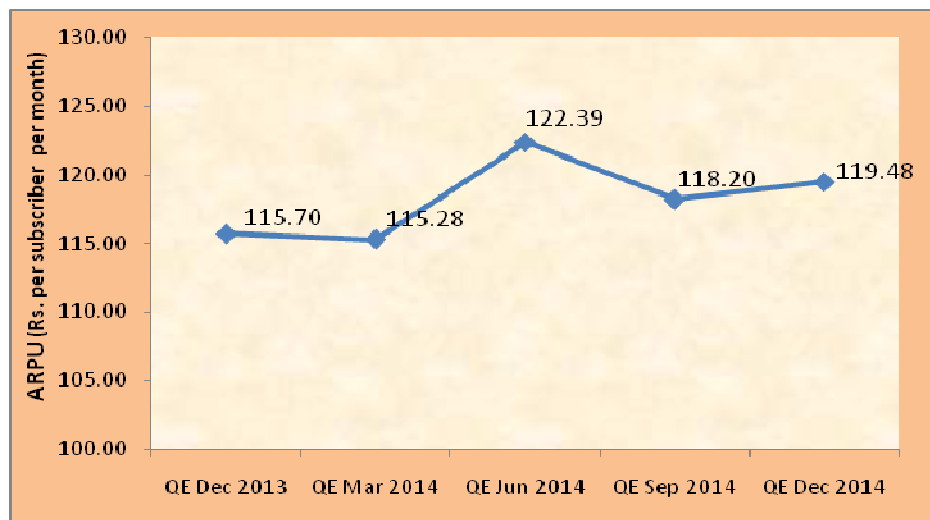


Table 3.3: Access Services - Service Provider wise Adjusted Gross Revenue

(₹ in Crore)

Service Providers	QE Dec-14	QE Sep-14	% Change
Bharti	10300.39	9862.74	4.44%
Vodafone	7683.36	7260.54	5.82%
Idea	5999.48	5612.18	6.90%
BSNL	2752.75	3218.01	-14.46%
Tata	2395.85	2365.58	1.28%
Reliance	1859.91	1787.42	4.06%
Aircel	1854.99	1845.76	0.50%
Telewings	725.98	676.32	7.34%
MTNL	619.04	652.17	-5.08%
Sistema Shyam	285.99	266.28	7.40%
Quadrant	36.29	25.27	43.63%
Videocon	27.92	34.40	-18.82%
Loop*	--	62.80	--
Grand Total (Access)	34541.96	33669.47	2.59%

*License of M/s Loop has been expired in November, 2014.

3.6 Public Sector Undertakings' share in the Access AGR of telecom services is 9.76% in the QE Dec-14.

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

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

Notes :

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

Chapter 4 : Quality of Service (QoS)

Section A: Quality of Service Performance of Wireless Service Providers

Part-I : 2G Wireless Services

Table 4.1: QoS Summary - 2G Wireless Service

S. No.	Parameters	Benchmark	No. of CMTS Licensees not Meeting the Benchmarks			
			Quarter Ending, September, 2014		Quarter Ending, December, 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%	9	4.92%	10	5.46%
(ii)	Worst affected BTSS due to downtime	≤ 2%	13	7.10%	13	7.10%
2	Connection Establishment (Accessibility)					
(i)	Call Set-up Success Rate (within licensee's own network)	≥ 95%	4	2.19%	2	1.09%
(ii)	SDCCH/ Paging Chl. Congestion	≤ 1%	7	3.83%	4	2.19%
(iii)	TCH Congestion	≤ 2%	7	3.83%	6	3.28%
3	Connection Maintenance (Retain ability)					
(i)	Call Drop Rate	≤ 2%	6	3.28%	5	2.73%
(ii)	Worst affected cells having more than 3% TCH drop (call drop) rate	≤ 3%	27	14.75%	25	13.66%
(iii)	Connection with good voice quality	≥ 95%	8	4.37%	9	4.92%
4	Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark) (Averaged over a period of quarter)	≤ 0.5%	3	1.64%	4	2.19%

S. No.	Parameters	Benchmark	No. of CMTS Licensees not Meeting the Benchmarks			
			Quarter Ending, September, 2014		Quarter Ending, December, 2014	
			Out Of 183 (Nos.)	Out Of 183 (%)	Out Of 183 (Nos.)	Out Of 183 (%)
II.	Customer Service Quality Parameters					
5	Metering and Billing					
(i)	Metering and billing credibility - post paid	≤ 0.1%	6	3.28%	8	4.37%
(ii)	Metering and billing credibility - pre paid	≤ 0.1%	3	1.64%	9	4.92%
(iii)	Resolution of billing/charging/validity complaints	100% within 4 weeks	10	5.46%	Parameter deleted	
	Resolution of billing/charging/validity complaints	98% within 4 weeks	1	0.55%	4	2.19%
	Resolution of billing/charging/validity complaints	100% within 6 weeks	6	3.28%	1	0.55%
(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	12	6.56%	1	0.55%
6	Response time to the customer for assistance					
(i)	Accessibility of call centre/ customer care	≥ 95%	15	8.20%	11	6.01%
(ii)	%age of calls answered by the operators (voice to voice) within 60 seconds	≥ 90%	21	11.48%	Parameter deleted	
	%age of calls answered by the operators (voice to voice) within 90 seconds	≥ 95%	47	25.68%	66	36.07%
7	Termination / closure of service					
(i)	%age requests for Termination / Closure of service complied within 7 days	100% within 7 days	13	7.10%	2	1.09%
(ii)	Time taken for refund of deposits after closures	100% within 60 days	20	10.93%	8	4.37%

- 4.1 The performance has improved in this quarter as compared to the previous quarter in respect of the following parameters :-
- a. Call Set-up Success Rate (within licensee's own network)
 - b. SDCCH/Paging Channel and Congestion
 - c. TCH Congestion
 - d. Call Drop Rate
 - e. Worst affected cells having more than 3% TCH drop (call drop) rate
 - f. Resolution of billing/ charging/ validity complaints (100% within 6 weeks)
 - g. Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of complaints
 - h. Accessibility of call centre/ customer care
 - i. %age requests for Termination / Closure of service complied within 7 days.
 - j. Time taken for refund of deposits after closure
- 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. Connection with good voice quality
 - c. Point of Interconnection (POI) Congestion (No. of POIs not meeting benchmark) (Average over a period of quarter)
 - d. Metering and billing credibility - post paid
 - e. Metering and billing credibility - pre paid
 - f. Resolution of billing /charging/ validity complaints (98% within 4 weeks)
 - g. %age of calls answered by the operators (voice to voice) within 90 sec

**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)	$\leq 2\%$	Aircel	ASM	4.26
			BH	4.90
			J&K	2.54
			NE	8.69
			OR	2.01
		BSNL	ASM	2.51
			BH	14.65
			KOL	5.44
			NE	4.29
			WB	3.05
Worst affected BTSs due to downtime (%age)	$\leq 2\%$	Aircel	ASM	21.87
			BH	29.34
			CHN	2.18
			J&K	17.02
			NE	43.59
			OR	8.54
			WB	7.81
		BSNL	ASM	5.05
			BH	21.55
			KOL	23.56
			NE	14.59
			WB	15.96
		Vodafone	J&K	3.11
Call Set-up Success Rate (within licensee's own network)	$\geq 95\%$	Aircel	BH	93.64
			J&K	94.16
SDCCH/ Paging Chl. Congestion (%age)	$\leq 1\%$	Aircel	J&K	1.26
			NE	2.49
		BSNL	NE	3.46
			WB	1.57
TCH Congestion (%age)	$\leq 2\%$	Aircel	ASM	2.88
			BH	5.91
			J&K	5.35
			NE	3.11
		BSNL	NE	4.42
		Vodafone	J&K	2.04
Call Drop Rate (%age)	$\leq 2\%$	Aircel	HR	5.17
			NE	2.22
		BSNL	ASM	2.12
			BH	3.23

Parameter	Benchmark	Service Provider	Service Area	Performance		
			NE	4.61		
Worst affected cells having more than 3% TCH drop	≤ 3%	Aircel	AP	4.67		
			ASM	17.09		
			BH	12.47		
			CHN	7.83		
			DLI	6.06		
			HP	12.71		
			HR	6.09		
			J&K	14.00		
			KOL	3.19		
			KTK	7.58		
			MBI	6.22		
			MH	3.77		
			NE	23.05		
			OR	9.33		
			PB	3.17		
		TN	7.22			
		UPE	3.09			
		WB	11.42			
		Worst affected cells having more than 3% TCH drop		BSNL	ASM	4.66
					BH	10.43
NE	14.61					
PB	19.46					
WB	7.88					
		Vodafone	DLI	3.92		
			UPE	3.35		
Connection with good voice quality	≥ 95%	Aircel	ASM	89.54		
			J&K	93.44		
			NE	92.88		
		BSNL	ASM	93.47		
			MP	80.66		
			NE	92.39		
		Telewings	BH	93.23		
UPE	92.49					
			UPW	94.61		
Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark) (Averaged over a period of quarter)	≤ 0.5%	BSNL	HR	1		
			PB	1		
		Loop	MBI	9		
		Vodafone	UPE	3		
Metering and billing credibility - post paid	≤ 0.1%	Idea	AP	0.20		
			DLI	0.16		

Parameter	Benchmark	Service Provider	Service Area	Performance
			GUJ	0.12
			HR	0.15
			KR	0.18
			MH	0.18
		Vodafone	ASM	0.30
		NE	0.22	
Metering and billing credibility - pre paid	≤ 0.1%	BSNL	WB	0.24
		Idea	ASM	0.24
			NE	0.17
		Telewings	BH	0.29
		Vodafone	AP	0.11
			KTK	0.19
			MP	0.15
			NE	0.14
RJ	0.11			
Resolution of billing/charging complaints	100% within 6 weeks	Airtel	DLI	99.99
	98% within 4 weeks	BSNL	BH	95.01
			NE	80.50
			RJ	62.72
			UPW	82.50
Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of complaints	within 1 week of resolution of complaint	Idea	AP	99.49
Accessibility of call centre/ customer care	≥ 95%	Aircel	ASM	88.77
			BH	89.90
			DLI	93.41
			J&K	92.07
			KOL	64.09
			OR	56.90
			RJ	87.80
		WB	31.49	
		BSNL	AP	91.00
			MP	49.00
UPE	90.70			
		Aircel	ASM	90.81
			KOL	94.88
			MH	68.53
		Airtel	DLI	87.43
			J&K	94.69
		BSNL	AP	76.00

Parameter	Benchmark	Service Provider	Service Area	Performance
Percentage of calls answered by the operators (voice to voice) within 90 seconds	≥ 95%		ASM	77.73
			CHN	73.00
			HP	89.62
			HR	61.34
			J&K	50.00
			KOL	94.00
			KR	66.6
			KTK	90.38
			NE	86.50
			PB	49.31
			TN	92.00
			UPE	92.89
			WB	88.06
				MTS
Percentage of calls answered by the operators (voice to voice) within 90 seconds	≥ 95%	RCOM CDMA	AP	90.20
			BH	93.63
			CHN	94.62
			GUJ	89.03
			KTK	92.67
			MBI	69.20
			MH	71.28
			UPE	94.58
		RCOM GSM	AP	90.62
			CHN	90.56
			GUJ	73.12
			HR	93.09
			KR	89.08
			KTK	91.18
			MBI	67.73
			MH	71.96
			PB	92.96
		UPW	93.79	
		RTL	ASM	66.02
			BH	90.20
HP	91.70			
KOL	93.16			
MP	91.54			
NE	86.90			
TATA CDMA	OR	88.94		
	AP	92.66		
		BH	91.65	

Parameter	Benchmark	Service Provider	Service Area	Performance
			KOL	92.94
			KTK	90.20
			MBI	94.42
			MP	94.78
		TATA GSM	AP	85.05
			BH	94.08
			GUJ	92.93
			KOL	87.18
			KR	90.76
			KTK	75.23
			MBI	89.88
			MH	93.32
			MP	91.52
			PB	86.64
			TN	92.60
			UPW	94.35
			WB	86.18
			Telewings	GUJ
Vodafone	KTK	92.42		
%age requests for Termination / Closure of service complied within 7 days	100% within 7 days	Aircel	ASM	99.39
		MTNL GSM	MBI	99.98
Time taken for refund of deposits after closures	100% within 60 days	Idea	MH	99.52
		TATA CDMA	AP	99.57
			DLI	99.83
			GUJ	98.94
			KOL	98.81
			KTK	99.80
			TN	99.06
UPE	98.81			

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

Part-II : 3G Wireless Services

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

Table 4.3: QoS Summary - 3G Wireless Service

S. No.	Parameters		Bench mark	No. of CMTS Licensees not Meeting the Benchmarks			
				Quarter Ending, September 2014		Quarter Ending, December 2014	
				Out of 94 (Nos.)	Out of 94 (in %)	Out Of 94 (Nos.)	Out of 94 (in %)
1	Network Availability	Node-B's Accumulated downtime (not available for service) (%age)	≤ 2%	6	6.38%	7	7.45%
		Worst affected Node-B's due to downtime (%age)	≤ 2%	11	11.70%	11	11.70%
2	Connection Establishment (Accessibility)	Call Set-up Success Rate (within licensee's own network)	≥ 95%	2	2.13%	1	1.06%
		SDCCH/Paging Channel and RRC Congestion (%age)	≤ 1%	3	3.19%	4	4.26%
		TCH and Circuit Switched RAB Congestion (%age)	≤ 2%	1	1.06%	2	2.13%
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%	15	15.96%	15	15.96%
		Connections with good voice quality and Circuit Switch Voice Quality (CSV quality)	≥ 95%	1	1.06%	1	1.06%
4	Point of Interconnection	Point of Interconnection (POI) Congestion	≤ 0.5%	3	3.19%	2	2.13%

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

- a. Call Set Up Success Rate (within licensee's own network)
- b. Point of Interconnection (POI) Congestion

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

- a. Node-B's Accumulated downtime (not available for service) (%age)
- b. SDCCH/Paging Channel and RRC Congestion (%age)
- c. TCH and Circuit Switched RAB Congestion (%age)

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

Parameter	Benchmark	Service Provider	Service Area	Performance
Node-B's Accumulated downtime (not available for service) (%age)	≤ 2%	Aircel	BH	3.38
			J&K	3.22
			NE	12.11
			OR	3.16
		BSNL	BH	7.28
			KOL	5.33
			NE	2.52
Worst affected Node-B's due to downtime (%age)	≤ 2%	Aircel	ASM	11.00
			BH	19.77
			CHN	4.45
			J&K	17.69
			NE	52.17
			OR	10.15
			WB	3.75
		BSNL	BH	23.37
			KOL	25.33
			NE	10.97
			WB	9.51

Parameter	Benchmark	Service Provider	Service Area	Performance
Call Set-up Success Rate (within licensee's own network)	≥ 95%	BSNL	NE	93.00
SDCCH/Paging Channel and RRC Congestion (%age)	≤ 1%	Aircel	J&K	1.16
		BSNL	NE	4.77
			OR	1.20
TCH and Circuit Switched RAB Congestion (%age)	≤ 2%	BSNL	KOL	4.53
			NE	4.70
Worst affected cells having more than 3% TCH drop (call drop) and Circuit Switched Voice Drop Rate:-CBBH	≤ 3%	Aircel	AP	6.82
			ASM	13.42
			BH	13.62
			CHN	9.09
			J&K	14.38
			KTK	10.74
			NE	17.52
			OR	12.81
			PB	12.13
			TN	6.78
			UPE	6.66
		WB	5.29	
		BSNL	BH	11.83
NE	6.95			
WB	3.92			
Connections with good voice quality and Circuit Switch Voice Quality (CSV quality)	≥ 95%	BSNL	AS	93.47
Point of Interconnection (POI) Congestion	≤ 0.5%	BSNL	HR	1
		BSNL	PB	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 Dec- 2014	No of license areas where operators not meeting the benchmarks			
			September, 2014		December, 2014	
			Out of 102 (in Nos.)	Out of 102 (in %age)	Out of 102 (in Nos.)	Out of 102 (in %age)
(i)	Fault incidences per 100 subs/month	≤ 7	1	1%	0	0%
(ii) a	% Fault repaired by next working day for urban areas	≥ 85%	3	3%	2	2%
(ii) c	% Fault repaired within 5 days (for urban areas)	≥100%	2	2%	3	3%
(iii)	Mean Time to Repair (MTTR)	≤10Hs	5	5%	2	2%
(iv)	Point of Interconnection (POI) Congestion (No. of POIs not meeting benchmark)	≤ 0.5%	3	3%	4	4%
(v)	Metering & billing credibility – Post-paid	≤ 0.1%	1	1%	0	0%
(vii) (a)	Resolution of billing/ charging/ Credit & validity complaints	98% within 4 weeks	1	1%	0	0%
(ix)	Response time to the customer for assistance-		-	-	-	-
(ix) a	Accessibility of call centre/ customer care	≥ 95%	2	2%	10	10%
(ix) c	%age of calls answered by the operators (voice to voice) within 90 seconds	≥ 95%	32	31%	32	31%
(x)	Termination / closure of service	100% within 7 days	1	1%	2	2%
(xi)	Time taken for refund of deposits after closures	100% within 60 days	0	0%	2	2%

NOTE :

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

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

- a. Faults incidences per 100 subs/month
- b. % Fault repaired by next working day for urban areas
- c. Mean time to repair (MTTR)
- d. Metering and billing credibility - post paid
- e. Resolution of billing/charging/credit & validity complaints

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

- a. % Fault repaired within 5 days (for urban areas)
- b. Point of Interconnection (POI) congestion (No. of POIs not meeting benchmark)
- c. Accessibility of Call Centre/Customer Care
- d. Termination / closure of service
- e. Time taken for refund of deposits after closure

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

Parameters	Benchmark	Service Providers	Service Areas	Parameters not met
% Fault repaired by next working day for urban areas	≥ 85%	TATA TELESERVICES LTD.	KRK	84%
			KER	57%
% Fault repaired within 5 days (for urban areas)	≥100%	MTNL	DEL	97.61%
			MUM	99.82%
		VODAFONE INDIA LTD	KRK	99.39%
Mean Time to Repair (MTTR)	≤10Hs	TATA TELESERVICES LTD.	KRK	11
			RAJ	12
Point of Interconnection (POI) Congestion (No. of PoIs not meeting benchmark)	≤ 0.5%	BSNL	MH	04
			PB	02
			UPE	02
		BHARTI AIRTEL LTD.	UPE	01
Response time to the customer for assistance - Accessibility of call centre/ customer care	≥ 95%	BSNL	AP	94%
			HR	84%
			HP	73%
			J&K	55%
			KRK	93%
			NE-I	92%

Response time to the customer for assistance - Accessibility of call centre/ customer care	≥ 95%	BSNL	PB	59%		
			RAJ	93%		
			UPE	59%		
			UPW	62%		
Response time to the customer for assistance %age of calls answered by the operators (voice to voice) within 90 seconds	≥ 95%	BSNL	AP	93%		
			ASS	94%		
			BR	57%		
			CHHTS	83%		
			GUJ	85%		
			HR	89%		
			HP	84%		
			J&K	78%		
			JHAR	87%		
			KRK	83%		
			MP	85%		
			NE-I	93%		
			NE-II	91%		
			PB	60%		
			RAJ	34%		
			TN	93%		
			UPE	21%		
			UPW	73%		
			UTTRA	84%		
			KOL	92%		
		CN	92%			
				TATA TELESERVICES LTD.	BR	85%
					GUJ	92%
					HR	93%
					KRK	91%
					MP	92%
					MUM	88%
			PB	67%		
			MH	82%		
			TN	91%		
			KOL	86%		
		BHARTI AIRTEL LTD.	KER	93.32%		
Termination/closure of service — %age requests for Termination / Closure of service complied within 7 days	100% within 7 days	MTNL	DEL	99.97%		
			MUM	99.54%		
Termination / closure of service— Time taken for refund of deposits after closures	100% within 60 days	BHARTI AIRTEL LTD.	HR	93%		
			MP	97%		

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 (wireline) Service

4.11 There are 117 Service Providers (SPs) providing broadband (wireline) service at the end of December, 2014. Out of these SPs, 38 Service Providers are having broadband subscriber base >10,000 and market share of these 38 SPs is 98.99% of total subscriber base. This report covers performance of top 36 broadband Service Providers vis-à-vis the QoS benchmarks prescribed by TRAI, for the QE December, 2014.

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

S.No.	Parameter	Benchmark	No. of Licensees not meeting the Benchmarks			
			Quarter Ending September, 2014		Quarter Ending December, 2014	
			Out of 69 (in Nos.)	Out of 69 (in %age)	Out of 63 (in Nos.)	Out of 63 (in %age)
1	Service Provisioning	100% in= \leq 15 working days				
(i)	%age of connections provided within 15 days of registration of demand	100%	7	10.14%	5	7.94%
2	Faults Repair					
(i)	% of faults repaired by next working day (>90%)	>90%	6	8.70%	5	7.94%
(ii)	% of faults repaired within 3 working day	=>99%	8	11.59%	10	15.87%
(iii)	No. of customers to whom rent rebate is given in minimum monthly charges or equivalent usage allowance for delay in fault repair.	In nos.	0	0.00%	0	0.00%
3	Billing Performance					
(i)	%age of bills disputed	<2%	0	0.00%	0	0.00%
(ii)	%age of billing complaints resolved within 4 weeks	100% within 4 weeks	2	2.90%	0	0.00%
(iii)	%age of cases to whom refund of deposits is made within 60 days of closures	100% within 60 weeks	0	0.00%	0	0.00%

S.No.	Parameter	Benchmark	No. of Licensees not meeting the Benchmarks			
			Quarter Ending September, 2014		Quarter Ending December, 2014	
			Out of 69 (in Nos.)	Out of 69 (in %age)	Out of 63 (in Nos.)	Out of 63 (in %age)
4	Response Time to the Customer for assistance					
(i)	%age of calls answered by operator (Voice to voice) within 60 sec	>60%	0	0.00%	0	0.00%
(ii)	%age of calls answered by operator (Voice to voice) within 90 sec	>80%	5	7.25%	2	3.17%
5	Bandwidth utilisation/ throughput					
(i)	No. of Intra network links having Bandwidth utilisation >90% during peak hours (TCBH)		0	0.00%	2	3.17%
(ii)	No. of Upstream links for International connectivity having bandwidth utilisation >90% during peak hours (TCBH)		0	0.00%	1	1.59%
(iii)	% International bandwidth utilization during peak hours (TCBH) (Enclose MRTG) <90%		1	1.45%	2	3.17%
(iv)	Broadband Connection Speed available (download) from ISP node to user	>80%	0	0.00%	0	0.00%
6	Service availability /uptime (for all users) in %age					
(i)	Service availability /uptime (for all users) in %age	>98%	0	0.00%	1	1.59%
7	Packet loss (for wired broadband access) in %age	<1%	0	0.00%	0	0.00%
8	Network latency (for wired broadband access)					
(i)	User reference point at POP/ISP Gateway node to IGSP/NIXI	<120 ms	0	0.00%	0	0.00%
(ii)	User reference point at ISP Gateway node to International nearest NAP port abroad (terrestrial)	<350 ms	0	0.00%	1	1.59%
(iii)	User reference point at ISP Gateway node to International nearest NAP port abroad (satellite)	<800 ms	0	0.00%	1	1.59%

Note: Above benchmarks Includes 'NR'

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

Sl. No.	Parameters	Benchmark	Name of the Service Provider not meeting the Benchmark
1	Service Provisioning/ Activation Time	100% in =< 15 working days	
1.2	%age of connections provided within 15 days of registration of demand	100%	MTNL - Delhi & Mumbai (99.94%) Hathway Cable - Karnataka(99.00%), Maharashtra (96.00%), Goa(91.00%) You Broadband - All India (96.00%)
2	Faults Repair/ Restoration Time		
2.2	% of faults repaired by next working day	>90%	MTNL - Delhi & Mumbai (86.49%), Atria Convergence - All India (86.00%), Hathway - Karnataka (88.00%) Honesty Net - Mumbai (84.00%), Ortel - Andhra Pradesh (72.00%)
2.3	% of faults repaired within 3 working day	=>99%	MTNL -Delhi & Mumbai (96.04%), Atria Convergence - All India (98.00%), Hathway Cable - Karnataka(98.00%), Maharashtra (97.00%), Honesty Net - Mumbai (95.63%), Ortel - Andhra Pradesh (78.00%), Tata Communications - All India (97.00%) Tata Teleservices (TTSL) - All India (98.00%) Tata Teleservices (TTML) - Maharashtra & Goa (97.60%), You Broadband - All India (98.00%)
4	Response Time to the Customer for assistance		
4.3	%age of calls answered by operator (Voice to voice) within 90 sec	>80%	BSNL - All India (71.68%) Siti Cable - All India (78.00%)
5	Bandwidth utilisation/ throughput	>98% w.e.f Q. E. Sept.07	
5.2	No. of Intra network links having Bandwidth utilisation >90% during peak hours (TCBH)	0	Honesty Net - Mumbai (2497)
5.4	No. of Upstream links for International connectivity having bandwidth utilisation >90% during peak hours (TCBH)	0	Home Sytems - Mumbai (1), Smartlink - Mumbai (1)

Sl. No.	Parameters	Benchmark	Name of the Service Provider not meeting the Benchmark
5.7	% International bandwidth utilization during peak hours (TCBH) (Enclose MRTG) <90%	<90%	<u>Home Sytems</u> - Mumbai (91.00%), <u>Indusind Media</u> - All India (NR)
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%	<u>Vasai Cable</u> - Mumbai (94.71%)
8	Network latency (for wired broadband access)		
8.2	User reference point at ISP Gateway node to International nearest NAP port abroad (terrestrial)	<350 ms	<u>Meghbela Cable</u> - Kolkata & West Bengal (NR)
8.3	User reference point at ISP Gateway node to International nearest NAP port abroad (satellite)	<800 ms	<u>Meghbela Cable</u> - Kolkata & West Bengal (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 Sep-14	QE Dec-14
1	Number of private satellite TV channels registered with Ministry of I&B	813	826
2	Maximum number of Pay TV Channels carried by certain cable operator in non-CAS areas	194	195
3	Maximum number of Free-to-Air (FTA) TV Channels carried by certain cable operator in non-CAS areas	185	182
4	Private FM Radio stations in operation	243	243
5	Private DTH Operators	6	6
6	Licensees of community radio stations	205	208
7	Operational community radio station	171	175

Cable TV Services

(A) Analog Cable TV Services in Non CAS areas

- 5.1 In Non-CAS areas, the maximum number of TV channels being carried in a digital form by any of the reporting MSOs is 398, while in conventional analogue form, the maximum number of channels being carried by any of the reporting MSOs is 100.
- 5.2 The maximum number of Free-to-Air (FTA), Pay Channels & Local Channels reportedly being carried by any of the reporting MSOs in their cable networks in a Non-CAS area are 182, 195 and 21 respectively in the quarter ending December 2014. However, these numbers relate to different networks and hence may not be added up to arrive at the figure for the maximum number of channels being carried in any network.

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

- 5.3 Digitization with addressability, of the cable TV sector is in progress, in a phased manner. It is envisaged to be completed in four phases. The cutoff date for migration to “Digital Addressable Cable TV Systems” in the first phase, covering the four metropolitan cities, was 31.10.2012 and in the second phase (covering 38 cities having population more than 1 million) it was 30.03.2013. Cutoff date for the third phase, it was 30.09.2014 and for the fourth and final phase, it was 31.12.2014. However, the cutoff dates for third & fourth phases have been extended upto 31.12.2015 & 31.12.2016 respectively.
- 5.4 As on 31.12.2014, there are a total of 138 Multi System Operators (MSOs), 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 these 138 MSOs along with their permitted area of operation, is available at Annexure-5.1

Satellite TV Channels

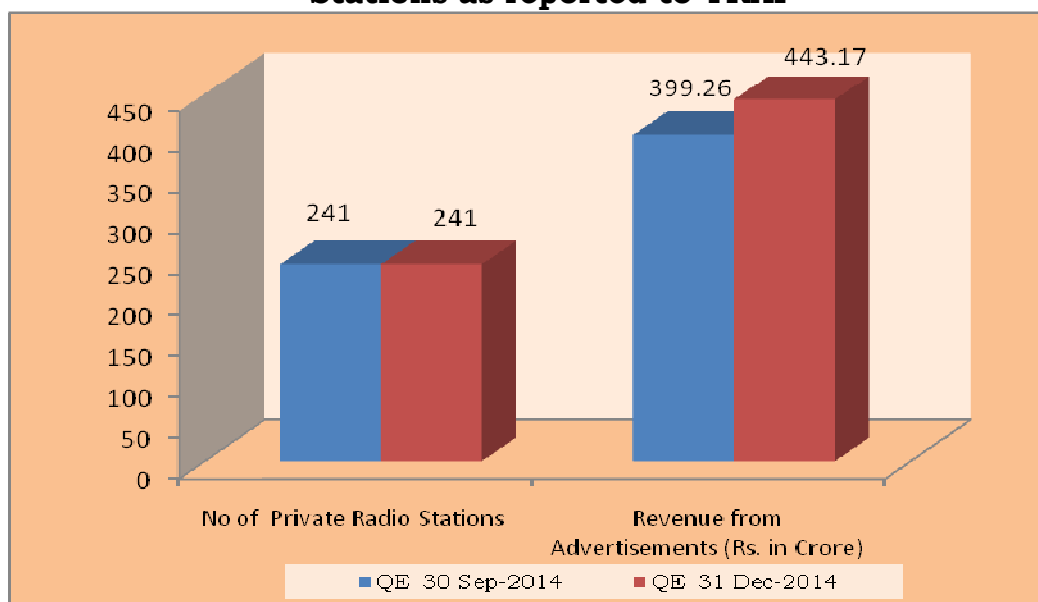
- 5.5 The total number of permitted private satellite TV channels, by Ministry of Information and Broadcasting (MIB), as obtained from the website of MIB, is 826 as on 31st December 2014.
- 5.6 There are a total of 245 Pay channels as reported by broadcasters and their details have been uploaded on TRAI’s website along with the names of the respective broadcasters. A list these pay TV channels along with names of the respective broadcasters is placed at Annexure-5.2.

FM Radio Services

5.7 Apart from All India Radio, Prasar Bharati – a public broadcaster, there are 243 operational private FM Radio stations as on 31st December, 2014. A list of these FM Radio service providers along with their date of operationalization is placed at Annexure 5.3. The information therein is as received from MIB.

5.8 The reported Advertisement Revenue during the quarter ending December, 2014 in respect of 241 private FM Radio stations was Rs 443.17 crore as against Rs 399.26 crore for the previous quarter. The figures are based on the details of Advertisement Revenue submitted by the FM Radio service providers to TRAI. However, these figures 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 At present, apart from free DTH service of Doordarshan of Prasar Bharati – a public broadcaster, there are 6 private DTH Operators. All these private DTH Operators are offering pay DTH services. As

per the information submitted by the DTH operator through quarterly PMR for DTH services, total number of registered subscribers and active subscribers being served by these six private DTH operators, as reported to TRAI, are 73.06 million & 40.54, million respectively as on 31st December 2014. The list of pay DTH Operators is available at Annexure-5.4.

Community Radio

5.10 As per data received from MIB, as on 31st December, 2014, out of the 208 community radio licenses issued so far, 175 stations are operational. The status of applications for community radio station licenses as obtained from Ministry of Information and Broadcasting up to the end of December, 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 31.12.2014
Total No. of Applications Received	1624
No of Letters of Intent (LOIs) issued	500*
No of Applications rejected	680
No of Licenses issued (GOPA signed)	208
No of stations operational	175

**Out of 500 LOIs, 91 LOIs have been cancelled.*

Source: Ministry of Information & Broadcasting (MIB)

Teleport Service

5.11 As per information available on the website of MIB, there are a total of 90 permitted Teleports. The status of permitted Teleports is placed at Annexure-5.5.

Annexures

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

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

Source: DoT and Service providers

Annexure 1.2: Wireless Subscriber Base

Service Area	Vodafone (GSM)		Bharti (GSM)		Idea (GSM)		Aircel/Dishnet (GSM)		Reliance (GSM)		Reliance (CDMA)	
	Sep-14	Dec-14	Sep-14	Dec-14	Sep-14	Dec-14	Sep-14	Dec-14	Sep-14	Dec-14	Sep-14	Dec-14
Andhra Pradesh	6,623,389	6,914,336	20,584,804	21,035,524	13,077,270	13,646,780	2,204,855	2,349,727	2,937,423	3,100,944	1,937,653	1,911,028
Assam	2,944,656	3,060,613	4,765,883	4,879,060	666,458	728,824	4,003,311	4,231,441	2,227,943	2,256,672		
Bihar	7,697,096	7,880,695	22,658,278	23,260,424	7,090,620	7,764,446	5,442,632	5,674,192	7,003,683	6,158,118	2,579,651	2,587,492
Delhi	9,338,371	9,468,453	10,774,507	10,877,042	5,796,383	5,906,714	4,511,028	4,713,338	5,078,335	5,213,016	2,962,494	2,994,361
Gujarat	18,041,356	18,457,632	7,498,409	7,789,314	10,133,624	10,605,791	18,563	18,563	4,903,228	3,162,817	1,255,889	1,231,566
Haryana	4,965,825	5,061,184	2,421,066	2,529,358	4,252,950	4,428,358	3,592	3,092	1,548,514	1,602,610	406,073	405,837
Himachal Pradesh	598,035	587,941	2,335,669	2,384,219	634,636	674,632	876,478	907,274	1,269,337	1,352,680	172,659	173,011
Jammu & Kashmir	890,099	1,050,980	2,800,232	2,885,273	423,722	466,419	2,284,190	2,491,798	734,762	749,202	21	19
Karnataka	7,524,081	7,607,837	17,777,929	18,359,667	7,348,259	7,803,337	2,807,110	2,923,297	3,881,819	3,950,948	1,324,939	1,281,501
Kerala	6,897,766	7,058,734	3,818,401	3,959,875	9,264,596	9,494,734	918	918	867,463	896,661	884,625	859,648
Madhya Pradesh	5,048,878	5,726,055	10,951,800	11,084,420	18,267,158	18,862,565	22,694	22,694	9,883,928	10,105,955	2,083,922	2,059,127
Maharashtra	16,343,514	16,894,186	10,533,521	10,983,519	20,168,615	21,101,531	1,694,890	1,749,377	5,182,313	3,179,000	1,805,482	1,788,266
Mumbai	7,865,981	8,348,017	4,650,945	4,997,718	3,606,124	3,898,068	2,213,482	2,309,076	3,080,845	2,801,111	2,950,578	2,947,835
North East	1,229,623	1,280,728	3,191,007	3,312,390	390,278	428,926	2,532,562	2,863,557	851,971	841,141		
Orissa	3,561,326	3,583,658	8,317,844	8,601,791	1,206,630	1,327,635	3,855,679	3,909,753	3,388,701	3,615,659	303,522	300,984
Punjab	4,769,649	4,823,485	7,596,318	7,634,179	5,970,601	6,091,118	991,039	967,167	2,590,314	2,751,019	320,439	335,904
Rajasthan	10,362,725	10,517,333	16,388,986	16,900,399	6,268,311	6,525,030	5,252,634	5,448,995	4,974,938	5,261,120	963,772	971,638
Tamil Nadu (incl. Chennai)	13,679,203	13,961,596	15,052,717	15,341,821	3,432,626	3,984,325	23,443,748	23,620,644	3,943,366	4,276,624	1,850,471	1,817,370
UP(E)	16,430,059	16,903,807	17,331,023	17,793,314	8,271,049	8,750,797	5,745,174	6,007,873	5,215,101	5,466,948	2,502,007	2,455,226
UP(W)	10,218,371	10,424,299	7,081,358	7,203,729	12,130,607	12,535,987	120,935	164,141	3,894,672	3,897,548	1,259,450	1,269,742
Kolkata	4,751,505	4,747,270	4,005,840	4,048,302	1,532,614	1,635,759	3,470,458	3,634,662	2,673,752	2,519,573	1,073,771	1,024,836
West Bengal	14,065,785	14,316,992	11,014,779	11,353,704	3,627,060	3,874,282	4,354,677	4,661,966	6,482,574	5,865,771	871,624	853,918
Total	173,847,293	178,675,831	211,551,316	217,215,042	143,560,191	150,536,058	75,850,649	78,673,545	82,614,982	79,025,137	27,509,042	27,269,309

Annexure 1.2 (contd.)

Service Area	Tata (GSM)		Tata (CDMA)		BSNL (GSM)		BSNL (CDMA)		MTNL (GSM)		MTNL (CDMA)	
	Sep-14	Dec-14	Sep-14	Dec-14	Sep-14	Dec-14	Sep-14	Dec-14	Sep-14	Dec-14	Sep-14	Dec-14
Andhra Pradesh	4,706,743	4,888,106	1,482,821	1,381,305	9,885,542	9,874,832	60,686	56,728				
Assam					1,202,528	1,180,718	96,421	96,110				
Bihar	1,714,878	1,638,755	752,258	699,413	2,847,838	2,733,117	205,832	206,338				
Delhi			2,558,902	2,836,590					2,293,645	2,302,742	22,991	22,988
Gujarat	2,720,119	2,806,961	454,870	407,077	3,117,161	3,094,333	84,682	78,841				
Haryana	2,073,025	2,263,754	578,077	545,218	3,195,453	3,056,051	14,049	11,817				
Himachal Pradesh	55,498	52,075	57,459	55,614	1,398,839	1,396,930	44,868	41,012				
Jammu & Kashmir					1,206,310	1,180,843	59,817	56,020				
Karnataka	5,975,659	6,372,151	578,065	522,780	6,659,058	6,616,612	123,062	113,405				
Kerala	1,496,843	1,538,709	197,409	183,081	7,175,283	6,504,784	257,155	240,421				
Madhya Pradesh	3,965,288	4,214,799	567,428	540,548	3,700,544	3,660,639	166,462	172,648				
Maharashtra	3,911,581	4,188,698	2,475,832	2,448,798	5,436,875	5,192,685	107,434	98,804				
Mumbai	2,284,890	2,469,310	1,253,577	1,158,028					1,014,521	1,059,071	66,323	65,868
North East					1,416,829	1,394,122	142,664	141,868				
Orissa	2,036,955	2,140,887	196,108	185,473	3,375,286	3,402,979	50,672	48,252				
Punjab	1,784,724	1,962,681	685,678	655,955	3,139,721	3,162,216	28,728	26,516				
Rajasthan	691,854	680,408	1,201,285	1,152,144	5,190,761	3,317,614	146,644	143,821				
Tamil Nadu (incl. Chennai)	5,403,635	5,656,685	321,460	308,909	9,820,813	9,779,866	80,894	75,191				
UP(E)	3,774,590	4,038,109	573,756	537,915	9,393,934	7,769,889	267,288	269,138				
UP(W)	3,024,509	3,180,161	701,701	668,104	3,724,936	3,360,876	79,625	77,504				
Kolkata	2,497,239	2,466,005	472,037	436,364	807,287	783,037	19,928	19,409				
West Bengal	919,214	798,685	102,119	86,313	1,915,722	1,877,862	70,467	70,669				
Total	49,037,244	51,356,939	15,210,842	14,809,629	84,610,720	79,340,005	2,107,378	2,044,512	3,308,166	3,361,813	89,314	88,856

Annexure 1.2 (contd.)

Service Area	Sistema (CDMA)		Quadrant (HFCL) (GSM)		Quadrant (HFCL) (CDMA)		Loop (GSM)		Telewings (GSM)		Videocon (GSM)		Total		Net Additions
	Sep-14	Dec-14	Sep-14	Dec-14	Sep-14	Dec-14	Sep-14	Dec-14	Sep-14	Dec-14	Sep-14	Dec-14	Sep-14	Dec-14	
Andhra Pradesh									5,359,457	5,398,219			68,860,643	70,557,529	1,696,886
Assam													15,907,200	16,433,438	526,238
Bihar									6,090,744	6,517,410			64,083,510	65,120,400	1,036,890
Delhi	997,830	1,019,213											44,334,486	45,354,457	1,019,971
Gujarat	179,032	194,843							6,299,248	6,762,644	2,019,730	2,185,886	56,725,911	56,796,268	70,357
Haryana											1,675,194	1,839,772	21,133,818	21,747,051	613,233
Himachal Pradesh													7,443,478	7,625,388	181,910
Jammu & Kashmir													8,399,153	8,880,554	481,401
Karnataka	1,721,646	1,627,631											55,721,627	57,179,166	1,457,539
Kerala	401,470	396,432											31,261,929	31,133,997	(127,932)
Madhya Pradesh											2,246,948	2,426,766	56,905,050	58,876,216	1,971,166
Maharashtra									7,125,382	7,241,912			74,785,439	74,866,776	81,337
Mumbai							1,582,981	-					30,570,247	30,054,102	(516,145)
North East													9,754,934	10,262,732	507,798
Orissa													26,292,723	27,117,071	824,348
Punjab			2,432,024	2,509,557	1,951	1,848							30,311,186	30,921,645	610,459
Rajasthan	2,191,050	2,213,549											53,632,960	53,132,051	(500,909)
Tamil Nadu (incl. Chennai)	993,903	936,486											78,022,836	79,759,517	1,736,681
UP(E)									9,772,784	10,144,872			79,276,765	80,137,888	861,123
UP(W)	200,988	194,565							7,167,971	7,565,877			49,605,123	50,542,533	937,410
Kolkata	677,124	644,162											21,981,555	21,959,379	(22,176)
West Bengal	1,767,426	1,753,263											45,191,447	45,513,425	321,978
Total	9,130,469	8,980,144	2,432,024	2,509,557	1,951	1,848	1,582,981	-	41,815,586	43,630,934	5,941,872	6,452,424	930,202,020	943,971,583	13,769,563

Annexure 1.3: Wireline Subscriber Base

Service Area	Bharti		Reliance		Quadrant (HFCL)		Sistema		Tata	
	Sep-14	Dec-14	Sep-14	Dec-14	Sep-14	Dec-14	Sep-14	Dec-14	Sep-14	Dec-14
Andhra Pradesh	122,398	119,039	84,230	81,569	-	-	-	-	166,066	162,478
Assam					-	-	-	-		
Bihar			6,096	6,100	-	-	-	-	12,011	12,228
Delhi	1,196,544	1,197,003	180,041	181,262	-	-	-	-	114,873	119,194
Gujarat	59,958	60,479	85,900	82,293	-	-	-	-	79,237	80,859
Haryana	16,450	16,521	4,881	4,916	-	-	-	-	30,007	32,960
Himachal Pradesh			4,837	4,847	-	-	-	-	2,728	2,885
Jammu & Kashmir					-	-	-	-		
Karnataka	506,981	527,281	124,008	128,613	-	-	-	-	170,904	175,894
Kerala	48,742	49,204	42,553	37,301	-	-	-	-	14,378	14,631
Madhya Pradesh	228,934	229,809	22,187	22,597	-	-	-	-	19,111	18,882
Maharashtra	70,346	66,655	86,795	81,756	-	-	-	-	263,285	269,800
Mumbai	349,402	348,587	234,239	237,094	-	-	-	-	523,099	525,642
North East					-	-	-	-		
Orissa			2,952	2,952	-	-	-	-	7,546	7,800
Punjab	91,942	92,474	20,851	20,565	224,147	224,975	-	-	16,935	16,990
Rajasthan	39,232	39,951	22,092	23,434	-	-	55,716	54,954	9,545	9,946
Tamil Nadu (incl. Chennai)	459,758	459,858	142,248	143,863	-	-	-	-	88,214	90,600
U.P.(E)	54,655	55,108	38,676	38,656	-	-	-	-	15,330	15,845
U.P.(W)	20,432	20,098	6,408	6,274	-	-	-	-	9,679	9,815
Kolkata	105,891	106,355	80,711	80,650	-	-	-	-	44,744	44,839
West Bengal			1,897	1,901	-	-	-	-	3,624	3,688
Total	3,371,665	3,388,422	1,191,602	1,186,643	224,147	224,975	55,716	54,954	1,591,316	1,614,976

Annexure 1.3 (contd.)

Service Area	MTNL		BSNL		Vodafone		Total		Net Additions
	Sep-14	Dec-14	Sep-14	Dec-14	Sep-14	Dec-14	Sep-14	Dec-14	
Andhra Pradesh	-	-	1,576,418	1,543,551	8,580	8,790	1,957,692	1,915,427	-42,265
Assam	-	-	179,241	176,841	1,290	1,350	180,531	178,191	-2,340
Bihar	-	-	357,674	354,639	750	780	376,531	373,747	-2,784
Delhi	1,603,251	1,605,117			19,500	20,490	3,114,209	3,123,066	8,857
Gujarat	-	-	1,372,851	1,342,812	2,070	2,250	1,600,016	1,568,693	-31,323
Haryana	-	-	426,944	377,796	150	90	478,432	432,283	-46,149
Himachal Pradesh	-	-	230,839	221,676	90	90	238,494	229,498	-8,996
Jammu & Kashmir	-	-	160,363	156,472			160,363	156,472	-3,891
Karnataka	-	-	1,454,534	1,428,963	6,120	6,450	2,262,547	2,267,201	4,654
Kerala	-	-	2,659,577	2,580,135	510	570	2,765,760	2,681,841	-83,919
Madhya Pradesh	-	-	831,860	829,250	330	270	1,102,422	1,100,808	-1,614
Maharashtra	-	-	1,789,483	1,730,570	9,120	9,360	2,219,029	2,158,141	-60,888
Mumbai	1,926,912	1,916,447			10,620	11,520	3,044,272	3,039,290	-4,982
North East	-	-	130,095	128,710	120	120	130,215	128,830	-1,385
Orissa	-	-	325,809	324,412	540	570	336,847	335,734	-1,113
Punjab	-	-	818,372	794,702	540	510	1,172,787	1,150,216	-22,571
Rajasthan	-	-	749,996	722,587	1,800	1,710	878,381	852,582	-25,799
Tamil Nadu (incl. Chennai)	-	-	2,126,088	2,098,991	5,790	6,330	2,822,098	2,799,642	-22,456
U.P.(E)	-	-	436,242	415,224	1,050	1,020	545,953	525,853	-20,100
U.P.(W)	-	-	476,823	469,000	330	390	513,672	505,577	-8,095
Kolkata	-	-	800,147	785,053	3,000	3,180	1,034,493	1,020,077	-14,416
West Bengal	-	-	465,606	451,317	30	30	471,157	456,936	-14,221
Total	3,530,163	3,521,564	17,368,962	16,932,701	72,330	75,870	27,405,901	27,000,105	-405,796

Annexure 1.4: Service Area and Operator wise details of PCOs

Sl. No.	Name of the Circle/Service Area	Service Provider	Number of PCOs as on 30.09.14	Number of PCOs as on 31.12.14	Net PCO increase/ decrease as on 31.12.14	Percentage Growth/ Decline as on 31.12.14
1	Andhra Pradesh (Including Telangana)	BSNL	55,346	50,226	-5,120	-9.25%
		Bharti	207	207	0	0.00%
		TTL	7,384	6,041	-1,343	-18.19%
		RCL	17,501	15,577	-1,924	-10.99%
	Andhra Pradesh	BSNL	55,346	50,226	-5,120	-9.25%
		Bharti	207	207	0	0.00%
		TTL	7,384	6,041	-1,343	-18.19%
		RCL	17,501	15,577	-1,924	-10.99%
	Telangana	BSNL	0	0	0	0.00%
		Bharti	0	0	0	0.00%
		TTL	0	0	0	0.00%
		RCL	0	0	0	0.00%
2	Assam	BSNL	10,837	10,589	-248	-2.29%
3	Bihar (Including Jharkhand)	BSNL	8,169	7,377	-792	-9.70%
		TTL	191	118	-73	-38.22%
		RCL	675	594	-81	-12.00%
	Bihar	BSNL	2,941	2,341	-600	-20.40%
		TTL	191	118	-73	-38.22%
		RCL	675	594	-81	-12.00%
	Jharkhand	BSNL	5,228	5,036	-192	-3.67%
		TTL	0	0	0	0.00%
		RCL	0	0	0	0.00%
4	Delhi	MTNL	56,776	56,654	-122	-0.21%
		Bharti	1,321	1,202	-119	-9.01%
		TTL	3,647	3,365	-282	-7.73%
		RCL	651	547	-104	-15.98%
5	Gujarat	BSNL	30,940	29,751	-1,189	-3.84%
		Bharti	16	16	0	0.00%
		TTL	4,647	4,083	-564	-12.14%
		RCL	2,207	2,049	-158	-7.16%
6	Haryana	BSNL	6,741	5,247	-1,494	-22.16%
		Bharti	223	214	-9	-4.04%
		TTL	152	135	-17	-11.18%
		RCL	94	75	-19	-20.21%
7	Himachal Pradesh	BSNL	5,057	4,528	-529	-10.46%
		TTL	59	49	-10	-16.95%
		RCL	41	39	-2	-4.88%
8	J & K	BSNL	5,638	4,922	-716	-12.70%

Annexure 1.4 (Contd.)

Sl. No.	Name of the Circle/Service Area	Service Provider	Number of PCOs as on 30.09.14	Number of PCOs as on 31.12.14	Net PCO increase/ decrease as on 31.12.14	Percentage Growth/ Decline as on 31.12.14
9	Karnataka	BSNL	81,682	56,319	-25,363	-31.05%
		Bharti	6,311	5,978	-333	-5.28%
		TTL	4,540	3,831	-709	-15.62%
		RCL	6,188	5,408	-780	-12.61%
10	Kerala	BSNL	32,601	31,006	-1,595	-4.89%
		Bharti	675	643	-32	-4.74%
		TTL	235	192	-43	-18.30%
		RCL	1,251	1,142	-109	-8.71%
11	Madhya Pradesh (Including Chattisgarh)	BSNL	30,757	30,591	-166	-0.54%
		Bharti	3,964	3,727	-237	-5.98%
		TTL	1,874	1,676	-198	-10.57%
		RCL	2,033	1,834	-199	-9.79%
	Madhya Pradesh	BSNL	28,193	28,055	-138	-0.49%
		Bharti	3,964	3,727	-237	-5.98%
		TTL	1,874	1,676	-198	-10.57%
		RCL	2,033	1,834	-199	-9.79%
	Chattisgarh	BSNL	2,564	2,536	-28	-1.09%
		Bharti	0	0	0	0.00%
		TTL	0	0	0	0.00%
		RCL	0	0	0	0.00%
12	Maharashtra (Including Mumbai & Goa)	BSNL	84,973	80,808	-4,165	-4.90%
		Bharti	41	41	0	0.00%
		MTNL	83,344	82,595	-749	-0.90%
		TTML	31,423	28,626	-2,797	-8.90%
		RCL	14,645	13,857	-788	-5.38%
	Maharashtra & Goa	BSNL	84,973	80,808	-4,165	-4.90%
		Bharti	0	0	0	0.00%
		MTNL	0	0	0	0.00%
		TTML	25,286	23,383	-1,903	-7.53%
		RCL	6,088	5,541	-547	-8.98%
	Mumbai	BSNL	0	0	0	0.00%
		Bharti	41	41	0	0.00%
		MTNL	83,344	82,595	-749	-0.90%
		TTML	6,137	5,243	-894	-14.57%
		RCL	8,557	8,316	-241	-2.82%
13	North East	BSNL	7,008	6,664	-344	-4.91%
14	Orissa	BSNL	5,436	4,532	-904	-16.63%
		TTL	303	267	-36	-11.88%
		RCL	161	133	-28	-17.39%

Annexure 1.4 (Contd.)

Sl. No.	Name of the Circle/Service Area	Service Provider	Number of PCOs as on 30.09.14	Number of PCOs as on 31.12.14	Net PCO increase/decrease as on 31.12.14	Percentage Growth/Decline as on 31.12.14
15	Punjab	BSNL	9,570	8,903	-667	-6.97%
		Bharti	155	137	-18	-11.61%
		Quardant	2,907	2,763	-144	-4.95%
		TTL	1,296	1,262	-34	-2.62%
		RCL	461	266	-195	-42.30%
16	Rajasthan	BSNL	14,299	13,713	-586	-4.10%
		Bharti	217	217	0	0.00%
		S.Shyam	11,817	10,528	-1,289	-10.91%
		TTL	586	501	-85	-14.51%
		RCL	1,194	1,060	-134	-11.22%
17	Tamilnadu (Including Chennai)	BSNL	94,221	91,840	-2,381	-2.53%
		Bharti	10,744	10,255	-489	-4.55%
		TTL	3,644	2,892	-752	-20.64%
		RCL	10,292	9,187	-1,105	-10.74%
	Tamilnadu	BSNL	80,065	77,769	-2,296	-2.87%
		Bharti	10,744	10,255	-489	-4.55%
		TTL	3,644	2,892	-752	-20.64%
		RCL	7,295	6,532	-763	-10.46%
	Chennai	BSNL	14,156	14,071	-85	-0.60%
		Bharti	0	0	0	0.00%
		TTL	0	0	0	0.00%
		RCL	2,997	2,655	-342	-11.41%
18	Uttar Pradesh (East)	BSNL	23,391	21,471	-1,920	-8.21%
		Bharti	201	189	-12	-5.97%
		TTL	321	262	-59	-18.38%
		RCL	698	550	-148	-21.20%
19	Uttar Pradesh - West (Including Uttarakhand)	BSNL	12,224	10,049	-2,175	-17.79%
		Bharti	169	150	-19	-11.24%
		TTL	935	766	-169	-18.07%
		RCL	560	466	-94	-16.79%
	Uttar Pradesh - West (Excluding Uttarakhand)	BSNL	7,805	6,701	-1,104	-14.14%
		Bharti	169	150	-19	-11.24%
		TTL	935	766	-169	-18.07%
		RCL	560	466	-94	-16.79%
	Uttarakhand	BSNL	4,419	3,348	-1,071	-24.24%
		Bharti	0	0	0	0.00%
		TTL	0	0	0	0.00%
		RCL	0	0	0	0.00%

Annexure 1.4 (Contd.)

Sl. No.	Name of the Circle/Service Area	Service Provider	Number of PCOs as on 30.09.14	Number of PCOs as on 31.12.14	Net PCO increase/decrease as on 31.12.14	Percentage Growth/Decline as on 31.12.14
20	West Bengal (Including Andaman & Nicobar)	BSNL	24,854	18,061	-6,793	-27.33%
		Bharti	0	0	0	0.00%
		TTL	407	327	-80	-19.66%
		RCL	908	785	-123	-13.55%
	West Bengal (Excluding Andaman & Nicobar)	BSNL	24,684	17,891	-6,793	-27.52%
		Bharti	0	0	0	0.00%
		TTL	407	327	-80	-19.66%
		RCL	908	785	-123	-13.55%
	Andaman and Nicobar	BSNL	170	170	0	0.00%
		Bharti	0	0	0	0.00%
		TTL	0	0	0	0.00%
		RCL	0	0	0	0.00%
21	Kolkata	BSNL	7,280	7,077	-203	-2.79%
		Bharti	66	59	-7	-10.61%
		TTL	1,442	1,231	-211	-14.63%
		RCL	906	799	-107	-11.81%
	Total		8,53,730	7,79,241	-74,489	-8.73%

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

Sl. No.	Name of the Circle/Service Area	Service Provider	Number of VPTs as on 30.09.14	Number of VPTs as on 31.12.14	Net VPT increase/ decrease as on 31.12.14	Percentage Growth/ Decline as on 31.12.14
1	Andhra Pradesh (Including Telangana)	BSNL	25,107	25,107	0	0.00%
		TTL	0	0	0	0.00%
	Andhra Pradesh	BSNL	25,107	25,107	0	0.00%
		TTL	0	0	0	0.00%
	Telangana	BSNL	0	0	0	0.00%
TTL		0	0	0	0.00%	
2	Assam	BSNL	24,692	24,692	0	0.00%
3	Bihar (Including Jharkhand)	BSNL	67,748	67,748	0	0.00%
	Bihar	BSNL	38,941	38,941	0	0.00%
	Jharkhand	BSNL	28,807	28,807	0	0.00%
4	Delhi	MTNL	0	0	0	0.00%
		Bharti	0	0	0	0.00%
		TTL	0	0	0	0.00%
		RCL	0	0	0	0.00%
5	Gujarat	BSNL	18,054	18,054	0	0.00%
6	Haryana	BSNL	6,678	6,678	0	0.00%
7	Himachal Pradesh	BSNL	17,408	16,398	-1,010	-5.80%
8	Jammu & Kashmir	BSNL	6,386	6,386	0	0.00%
9	Karnataka	BSNL	27,451	27,451	0	0.00%
10	Kerala	BSNL	1,372	1,321	-51	-3.72%
11	Madhya Pradesh (Including Chattisgarh)	BSNL	70,314	70,314	0	0.00%
	Madhya Pradesh	BSNL	51,986	51,986	0	0.00%
	Chattisgarh	BSNL	18,328	18,328	0	0.00%
12	Maharashtra (Including Mumbai & Goa)	BSNL	40,654	40,542	-112	-0.28%
		Bharti	0	0	0	0.00%
		MTNL	0	0	0	0.00%
		TTML	1,786	1,786	0	0.00%
		RCL	0	0	0	0.00%
	Maharashtra & Goa	BSNL	40,654	40,542	-112	-0.28%
		Bharti	0	0	0	0.00%
		MTNL	0	0	0	0.00%
		TTML	1,786	1,786	0	0.00%
	RCL	0	0	0	0.00%	

Annexure 1.5 (contd.)

Sl. No.	Name of the Circle/Service Area	Service Provider	Number of VPTs as on 30.09.14	Number of VPTs as on 31.12.14	Net VPT increase/ decrease as on 31.12.14	Percentage Growth/ Decline as on 31.12.14
	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	13,109	13,099	-10	-0.08%
14	Orissa	BSNL	45,215	45,215	0	0.00%
15	Punjab	BSNL	12,065	12,065	0	0.00%
		Quadrant	4	3	-1	-25.00%
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	39,088	39,088	0	0.00%
	Uttar Pradesh - West (Excluding Uttarakhand)	BSNL	23,707	23,707	0	0.00%
	Uttarakhand	BSNL	15,381	15,381	0	0.00%
20	West Bengal (Including Andaman & Nicobar)	BSNL	37,310	37,312	2	0.01%
	West Bengal (Excluding Andaman & Nicobar)	BSNL	36,958	36,960	2	0.01%
	Andaman and Nicobar	BSNL	352	352	0	0.00%
21	Kolkata	BSNL	613	613	0	0.00%
	Total		5,87,269	5,86,087	-1,182	-0.20%

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

S.No.	Name of Service Provider	Narrowband	Broadband	Total
1	Bharti Airtel Ltd.	49828235	19190664	69018899
2	Vodafone	42493345	16646663	59140008
3	Idea Cellular*	21209520	12953722	34163242
4	Bharat Sanchar Nigam Ltd.	14735020	18896617	33631637
5	Reliance Communications*	24461140	7105697	31566837
6	Aircel	15677863	2147692	17825555
7	Telewings	10636210	0	10636210
8	Tata	120499	2745907	2866406
9	Mahanagar Telephone Nigam Ltd.	360621	1511774	1872395
10	Sistema Shyam	24535	1591794	1616329
11	Videocon	1330289	0	1330289
12	Quadrant Televentures Ltd.	592398	161790	754188
13	Atria Convergence Technologies Pvt. Ltd.	0	611050	611050
14	You Broadband India Pvt. Ltd.	16221	429352	445573
15	Hathway Cable & Datacom Pvt. Ltd.	10276	316694	326970
16	Tikona	3112	269680	272792
17	Asianet Satellite Communications Ltd.	0	134617	134617
18	Syscon Infoway Pvt Ltd	17413	103690	121103
19	D-Vois Broadband Private Limited	0	99844	99844
20	GTPL Hathway Private Limited	3383	68880	72263
21	Alliance Broadband Services Pvt. Ltd.	1724	61003	62727
22	Five Network Solution (India) Ltd.	0	61829	61829
23	Ortel Communication Ltd.	8571	49706	58277
24	Siti Cable Network Ltd. (Wire and Wireless India Ltd.)	24655	29521	54176
25	Broadband Pacenet (I) Pvt. Ltd.	71	52566	52637
26	Citycom Networks Pvt. Ltd.	1440	38485	39925
27	Honesty Net Solutions (I) Pvt Ltd	6647	31881	38528
28	Meghbela Cable & Broadband Services (P) Ltd	22231	11907	34138
29	Indusind Media & Communications Ltd.	3539	26170	29709
30	Digital Network associates Pvt. Ltd	1990	26610	28600
31	Chandra Net Pvt. Ltd.	1298	24311	25609
32	Home Systems Pvt. Ltd.	0	24398	24398
33	Limras Eronet Broadband Service Pvt Ltd	11232	9709	20941
34	RailTel Corporation of India Ltd.	5652	13720	19372
35	Wish Net Pvt. Ltd.	0	19343	19343
36	Rajesh Multi Channel Pvt. Ltd.	3989	14708	18697
37	Southern Online Bio Technologies Ltd.	6049	12445	18494
38	Vasai Cable Pvt. Ltd.	0	18470	18470
39	DEN Networks Ltd	276	15649	15925
40	R.K. Infratel Limited	683	14891	15574
41	City Online Services Ltd	7828	7286	15114
42	Nextra Teleservices Pvt. Ltd.	0	14256	14256
43	Noida Software Technology Park Ltd.	0	13537	13537
44	SmartLink Broadband Services	0	12238	12238
45	North East Dataa Network Pvt Ltd.	0	11052	11052

Annexure 1.6 (contd.)

S.No	Name of Service Provider	Narrowband	Broadband	Total
46	World Phone Internet Services Pvt Ltd	1254	9641	10895
47	Pioneerelabs	121	10749	10870
48	Apna Telelink Ltd.	0	9457	9457
49	Blazenet Ltd.	4069	3319	7388
50	Quest Consultancy Pvt. Ltd.	0	7187	7187
51	Sify Technologies Ltd.	2955	2754	5709
52	Nettlinx Ltd.	0	5574	5574
53	WE INTERNET LIMITED	0	5491	5491
54	IKF Technologies Ltd	1803	3604	5407
55	Spacenet Internet Services Pvt Ltd	0	4998	4998
56	Yashash Cable Network Pvt Ltd	0	4672	4672
57	Geocity Network Solutions Pvt. Ltd.	1078	3493	4571
58	Narmada Cyberzone Pvt Ltd	1858	2634	4492
59	CJ Online Pvt. Ltd.	0	3943	3943
60	Swiftmail Communications Ltd.	1263	2560	3823
61	CJM Consultancy Services Pvt. Ltd.	0	3797	3797
62	Ishan Netsol Pvt. Ltd.	3532	255	3787
63	Kaizen Infonet Pvt. Ltd.	779	2985	3764
64	Hathway Bhawani Cabletel & Datacom Pvt Ltd	0	3483	3483
65	HCL Comnet Systems & Services Ltd.	3396	31	3427
66	Intermedia Cable Communication Pvt. Ltd.	313	3094	3407
67	Siliguri Internet & Cable TV Pvt. Ltd.	0	3336	3336
68	Rajesh Patel Net Services Pvt. Ltd.	374	2914	3288
69	Bhupati Hotels Pvt. Ltd	0	3166	3166
70	F/X Wireless Technology Services Pvt. Ltd.	0	2913	2913
71	Kappa Internet Services Pvt. Ltd.	825	1855	2680
72	Shri Omkar Infocom Pvt. Ltd.	25	2394	2419
73	Wan and Lan Internet Pvt. Ltd.	68	2196	2264
74	Readylink Internet Services Pvt. Ltd.	191	1898	2089
75	Hughes Communications India Ltd.	758	1305	2063
76	United Telecoms Ltd.	211	1719	1930
77	Speed Online.net Pvt. Ltd.	0	1772	1772
78	Capture Network Systems Pvt. Ltd.	188	1461	1649
79	Symbois Creations Pvt. Ltd.	65	1495	1560
80	Star Broadband Services (I) Pvt. Ltd.	0	1559	1559
81	Digital2Virtual ISP Pvt. Ltd.	11	1253	1264
82	Touch Net India Pvt. Ltd.	551	692	1243
83	Multinet (Udaipur) Pvt. Ltd.	0	1089	1089
84	Aeroway Networks Pvt. Ltd.	34	700	734
85	delDSL Internet Pvt. Ltd.	311	399	710
86	Sikka Broadband(P) Ltd.	39	525	564
87	Rajdhani Telecom Pvt. Ltd.	90	459	549
88	S.S.Netcom Pvt. Ltd.	0	491	491
89	Primenet Global Ltd.	0	391	391
90	Bhiwani Communications Pvt. Ltd.	150	202	352
91	Speedon Network Ltd.	0	311	311

Annexure 1.6 (contd.)

S.No	Name of Service Provider	Narrowband	Broadband	Total
92	Sab Infotech	0	297	297
93	Sphier Infotech Pvt. Ltd.	0	293	293
94	ERNET India	197	80	277
95	Conjoinix Technologies Pvt. Ltd.	0	262	262
96	Rida Communication Pvt. Ltd.	0	260	260
97	Pacific Internet India Pvt. Ltd.	252	0	252
98	QBC Infotech Pvt. Ltd.	4	233	237
99	Microsense Pvt. Ltd.	0	225	225
100	Gleam Worldwide Services Pvt. Ltd.	0	216	216
101	Shri Vinayagaa Internet Pvt. Ltd.	60	93	153
102	Harisree CableNet Pvt. Ltd.	0	134	134
103	Khetan Cable Network (P) Ltd	0	127	127
104	Trans Virtual Pvt. Ltd.	44	78	122
105	Pulse Telesystems Pvt. Ltd.	0	121	121
106	Convergent Telecom Pvt. Ltd.	0	107	107
107	Kelnet Communication Services Pvt. Ltd	0	76	76
108	Tatanet Services Ltd.	0	75	75
109	NetMagic Solutions (P) Ltd.	0	68	68
110	Power Grid Corporation of India Ltd.	0	46	46
111	Verizon Communications India Pvt. Ltd.	0	44	44
112	Sanyog Networks Pvt. Ltd.	12	30	42
113	Adya Tech One Services Pvt. Ltd.	0	38	38
114	AT&T Global Network Services India Pvt Ltd	0	37	37
115	STN Communication & Advertising Pvt Ltd	0	37	37
116	West Bengal Electronics Industry Development Corp. Ltd.	0	31	31
117	Dream Plus Multi Services Pvt. Ltd.	3	27	30
118	Pipetel Communications Pvt. Ltd.	1	29	30
119	Nelco Ltd.	0	21	21
120	Reach Network India Pvt. Ltd.	3	15	18
121	Essel Shyam Communications Ltd.	16	0	16
122	Vcare Call Centres India Pvt. Ltd.	0	15	15
123	Financial Technologies Communications Ltd	12	0	12
124	VIVA Communications Pvt. Ltd.	0	10	10
125	ABT Ltd.	3	2	5
126	Maple PC & Peripherals Pvt. Ltd.	0	2	2
127	Godrej Infotech Ltd.	0	1	1
128	Orange Business Services India Network Pvt Ltd	0	1	1
129	L&T Finance Ltd.	1	0	1
130	Opto Network Pvt. Ltd.	0	1	1
131	Reliance Jio Infocomm Ltd.	0	1	1
	Total	181654875	85735167	267390042

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

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

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

Annexure 1.8: Service Area wise PMRTS subscriber Base

SNo.	Operative Area	Service Providers	Subscriber Base	
			30.09.2014	31.12.2014
1	Delhi(Faridabad/ Gurgaon)	Arya Omnitalk Radio Trunking Servives Pvt.Ltd.	4490	6709
		Procall(Delhi)	2809	661
		Procall (Faridabad)	319	305
		Procall (Gurgaon)	792	79
		Total	8410	7754
2	Mumbai(Navi Mumbai/Vashi)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	7366	8321
		Smartalk (Mumbai & Vashi)	438	29
		Bhilwara Telenet(Mumbai)	401	105
		Total	8205	8455
3	Kolkata	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1760	1834
		Total	1760	1834
4	TN(Chennai)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	5033	5880
		Quick Calls	21	21
		Total	5054	5901
5	Karnataka (Bangalore)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	5503	6393
		Quick Calls	370	21
		Total	5873	6414
6	Andhra Pradesh (Vishakhapatna)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	3214	3209
		Quick Calls	2022	2022
		Total	5236	5231
7	Madhya Pradesh (Indore)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	756	915
		Total	756	915
8	Rajasthan (Jaipur)	Procall	570	560
		Total	570	560
9	Gujrat(Ahmedabad /Surat/Baroda/ Bharuch)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	4712	5098
		Total	4712	5098
10	Maharashtra (Pune)	Smartalk	253	2
		Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1270	1528
		Total	1523	1530
		Grand Total	42,099	43,692

Annexure 2.1: GSM Service - Service Area wise Statistics for QE Dec-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	96.11	129	29	189	198	387
Gujarat	94.80	108	15	187	160	347
Karnataka	94.40	141	46	196	187	384
MH	94.82	130	36	178	165	342
TN (incl. Chennai)	94.94	124	38	174	183	357

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	96.86	103	16	196	181	377
Kerala	96.24	178	18	204	258	462
MP	97.69	98	18	144	148	292
Punjab	93.43	129	57	206	197	403
Rajasthan	97.61	109	11	156	174	331
UP(E)	98.64	95	12	164	231	395
UP(W)	97.97	98	30	171	190	361
WB	99.09	83	14	155	193	348

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	96.20	130	35	205	234	440
Bihar	99.37	93	6	157	240	397
HP	98.14	106	19	203	189	392
J&K	92.44	161	6	276	246	522
NE	97.51	123	58	188	179	368
Orissa	98.78	88	10	178	218	396

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	92.92	109	24	210	213	423
Delhi	85.91	165	29	228	186	414
Mumbai	83.12	191	38	272	191	463

**Annexure 2.2: CDMA Full Mobility Service - Service Area wise Statistics
for QE Dec-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	103	18	123	106	229
Gujarat	80	141	37	136	103	238
TN (incl. Chennai)	80	178	19	140	101	241
Karnataka	85	143	12	148	135	283
AP	86	122	21	150	131	281

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	58	6	155	176	331
Rajasthan	95	80	13	224	173	398
UP(E)	95	62	20	85	96	182
MP	95	72	17	119	123	242
Kerala	83	139	13	119	117	236
UP(W)	93	80	22	110	125	235
Haryana	90	71	19	159	133	292
Punjab	79	135	20	157	100	257

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	91	97	11	126	147	273
Bihar	96	67	10	117	149	267
HP	86	146	8	134	111	245
J&K	50	221	45	288	221	508
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	88	106	9	136	137	273
Delhi	87	119	15	157	105	261
Mumbai	80	161	24	103	78	181

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, December, 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	
		BTs Accumulated downtime (not available for service) (%age)	Worst affected BTs due to downtime (%age)	Call Set-up Success Rate (within licensee's own network)	SDCCH / Paging Chl. Congestion (%age)	TCH Congestion (%age)	Call Drop Rate (%age)	Worst affected cells having more than 3% TCH drop (call drop) rate (%age)	Connection with good voice quality	Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark (Averaged over a period of quarter)	Metering and billing credibility - post paid	Metering and billing credibility - pre paid	Resolution of billing/charging complaints	Resolution of billing/charging complaints	Period of applying credit/waiver / adjustment to customer's account from the date of resolution of complaints	Accessibility of call centre/ customer care	Percentage of calls answered by the operators (voice to voice) within 90 seconds	%age requests for Termination / Closure of service complied within 7 days	Time taken for refund of deposits after closures
		≤ 2%	≤ 2%	≥ 95%	≤ 1%	≤ 2%	≤ 2%	≤ 3%	≥ 95%	≤ 0.5%	≤ 0.1%	≤ 0.1%	98% within 4 weeks	100% within 6 weeks	within 1 week of resolution of complaint	≥ 95%	≥ 95%	100% within 7 days	100% within 60 days
AP	Aircel	0.14	0.72	99.39	0.17	0.23	0.93	4.67	97.80	0	0.00	0.00	100.00	100.00	100.00	97.14	98.82	100.00	100.00
	Airtel	0.02	0.00	99.14	0.08	0.08	0.39	0.55	98.92	0	0.01	0.00	100.00	100.00	100.00	99.92	97.68	100.00	100.00
	BSNL	1.83	1.92	97.86	0.68	1.80	0.95	2.78	96.67	0	0	0	100.00	*	100.00	91.00	76.00	100.00	100.00
	Idea	0.05	0.53	98.66	0.75	0.82	0.63	1.56	97.43	0	0.20	0.04	100.00	100.00	99.49	99.52	98.00	100.00	100.00
	RCOM CDMA	0.34	0.91	98.86	0.00	0.07	0.17	0.10	99.70	0	0.08	0.02	100.00	100.00	100.00	98.60	90.20	100.00	100.00
	RCOM GSM	0.39	0.87	99.75	0.02	0.07	0.36	0.05	98.88	0	0.09	0.09	100.00	100.00	100.00	98.87	90.62	100.00	100.00
	TATA CDMA	0.04	0.08	99.24	0.00	0.22	0.26	0.19	98.26	0	0.00	0.00	100.00	100.00	100.00	98.84	92.66	100.00	99.57
	TATA GSM	0.10	0.39	98.65	0.10	0.20	0.71	1.88	97.85	0	0.00	0.00	100.00	100.00	100.00	99.55	85.05	100.00	100.00
	Telewings	0.23	0.93	98.36	0.25	0.54	0.74	1.79	97.93	0	NA	0.00	100.00	100.00	NA	95.77	99.43	NA	NA
Vodafone	0.04	0.17	99.65	0.26	0.35	0.56	2.15	98.79	0	0.10	0.11	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
ASM	Aircel	4.26	21.87	95.15	0.98	2.88	1.87	17.09	89.54	0	0.00	0.01	100.00	100.00	100.00	88.77	90.81	99.39	100.00
	Airtel	0.16	0.82	97.83	0.33	0.89	1.27	1.21	98.35	0	0.01	0.00	100.00	100.00	100.00	100.00	97.93	100.00	100.00
	BSNL	2.51	5.05	95.62	0.87	0.94	2.12	4.66	93.47	0	0	0.01	100.00	*	100.00	99.00	77.73	100.00	100.00
	Idea	0.54	0.51	98.02	0.31	1.52	1.48	1.87	95.48	0	0.01	0.24	100.00	100.00	100.00	99.03	99.00	100.00	100.00
	RTL	0.31	1.78	98.57	0.05	0.09	0.68	0.11	98.39	0	0.06	0.06	100.00	100.00	100.00	98.25	66.02	100.00	100.00
	Vodafone	0.56	1.59	99.46	0.14	0.54	0.60	2.29	97.72	0	0.30	0.10	100.00	100.00	100.00	99.96	100.00	100.00	100.00
BH	Aircel	4.90	29.34	93.64	0.94	5.91	1.65	12.47	95.00	0	0.00	0.00	100.00	100.00	100.00	89.90	97.21	100.00	100.00
	Airtel	0.08	0.26	98.17	0.94	1.22	1.87	2.35	95.74	0	0.01	0.01	100.00	100.00	100.00	99.16	97.73	100.00	100.00
	BSNL	14.65	21.55	97.49	0.71	0.95	3.23	10.43	96.60	0	0	0	95.01	*	100.00	99.5	96.65	100.00	100.00
	Idea	0.52	1.88	98.26	0.71	1.17	1.10	2.78	96.70	0	0.02	0.03	100.00	100.00	100.00	97.03	98.00	100.00	100.00
	RCOM CDMA	0.39	1.25	97.96	0.00	0.02	0.35	1.59	99.81	0	0.09	0.05	100.00	100.00	100.00	99.02	93.63	100.00	100.00
	RTL	0.09	0.32	96.15	0.87	0.08	0.51	0.12	97.85	0	0.09	0.09	100.00	100.00	100.00	98.91	90.20	100.00	100.00
	TATA CDMA	0.14	0.00	97.93	0.00	0.31	0.83	1.61	98.21	0	0.00	0.00	98.63	100.00	100.00	98.99	91.65	100.00	100.00
	TATA GSM	0.12	0.59	98.63	0.16	0.21	0.53	1.21	97.37	0	0.00	0.00	100.00	100.00	100.00	95.67	94.08	100.00	100.00
	Telewings	0.29	0.97	98.04	0.44	1.23	0.59	2.16	93.23	0	NA	0.29	100.00	100.00	NA	96.94	99.24	NA	NA
Vodafone	0.43	1.85	99.51	0.23	0.49	0.91	1.89	97.44	0	0.02	0.06	99.76	100.00	100.00	100.00	97.51	100.00	100.00	

Annexure 4.1 (Contd.)

CHN	Aircel	0.41	2.18	98.56	0.24	1.02	1.26	7.83	97.35	0	0.00	0.00	100.00	100.00	100.00	96.64	95.51	100.00	100.00	
	Airtel	0.02	0.00	99.90	0.02	0.02	0.18	0.29	99.74	0	0.01	0.01	100.00	100.00	100.00	100.00	95.50	100.00	100.00	
	BSNL	0.56	1.82	98.03	0.57	1.71	0.71	1.44	99.99	0	0.02	0.07	100.00	*	100.00	100.00	73.00	100.00	100.00	
	Idea	0.02	0.00	99.61	0.02	0.10	0.32	0.77	96.73	0	Incl in TN									
	Vodafone	0.01	0.08	99.63	0.11	0.37	0.61	2.46	98.92	0	0.01	0.02	100.00	100.00	100.00	100.00	97.40	100.00	100.00	
	RCOM CDMA	0.28	0.66	99.04	0.00	0.01	0.06	0.06	99.77	0	0.08	0.08	100.00	100.00	100.00	98.13	94.62	100.00	100.00	
	RCOM GSM	0.27	0.48	99.75	0.01	0.03	0.34	0.03	99.04	0	0.07	0.09	100.00	100.00	100.00	98.69	90.56	100.00	100.00	
	TATA CDMA	Incl in TN																		
TATA GSM	Incl in TN																			
DLI	Aircel	0.39	1.76	97.83	0.68	1.24	1.05	6.06	97.61	0	0.00	0.00	100.00	100.00	100.00	93.41	98.10	100.00	100.00	
	Airtel	0.01	0.00	99.82	0.04	0.12	0.57	0.74	99.33	0	0.03	0.00	99.99	99.99	100.00	100.00	87.43	100.00	100.00	
	Idea	0.01	0.00	99.97	0.45	0.52	0.50	1.46	98.86	0	0.16	0.08	100.00	100.00	100.00	99.27	100.00	100.00	100.00	
	MTNL GSM	0.26	1.45	96.57	0.47	1.70	1.85	2.52	97.14	0	0.04	0.01	100.00	100.00	100.00	95.86	97.27	100.00	100.00	
	MTNL CDMA	NR																		
	MTS	0.10	0.33	98.96	0.00	0.06	0.67	1.63	99.21	0	0.09	0.05	100.00	100.00	100.00	99.40	97.70	100.00	100.00	
	RCOM CDMA	0.16	0.03	97.86	0.00	0.04	0.27	1.14	99.80	0	0.06	0.07	100.00	100.00	100.00	98.52	99.15	100.00	100.00	
	RCOM GSM	0.33	0.55	99.64	0.03	0.04	0.36	0.11	98.77	0	0.07	0.09	100.00	100.00	100.00	98.00	98.23	100.00	100.00	
	TATA CDMA	0.07	0.18	98.97	0.00	0.19	0.37	0.75	99.12	0	0.00	0.00	100.00	100.00	100.00	99.10	95.46	100.00	99.83	
Vodafone	0.10	0.45	99.58	0.06	0.11	1.03	3.92	97.11	0	0.09	0.05	100.00	100.00	100.00	100.00	99.02	100.00	100.00		
GUJ	Aircel	0.01	0.00	99.16	0.07	0.04	0.25	2.08	97.87	0	0.00	0.00	100.00	100.00	100.00	96.11	95.96	100.00	100.00	
	Airtel	0.05	0.12	99.70	0.04	0.41	0.75	1.09	96.95	0	0.00	0.00	100.00	100.00	100.00	99.94	97.13	100.00	100.00	
	BSNL	1.29	1.73	99.05	0.08	0.85	0.96	2.78	100.00	0	0.01	0.00	100.00	*	100.00	96.82	96.38	100.00	100.00	
	Idea	0.04	0.12	98.97	0.50	0.59	1.31	1.09	95.56	0	0.12	0.08	100.00	100.00	100.00	99.33	100.00	100.00	100.00	
	MTS	0.03	0.00	99.24	0.00	0.02	0.16	2.37	99.18	0	0.01	0.01	100.00	100.00	100.00	95.80	95.80	100.00	100.00	
	RCOM CDMA	0.18	0.42	99.08	0.00	0.05	0.05	0.19	99.84	0	0.08	0.04	100.00	100.00	100.00	98.16	89.03	100.00	100.00	
	RCOM GSM	0.20	0.21	99.60	0.01	0.06	0.33	0.03	98.73	0	0.08	0.10	100.00	100.00	100.00	98.85	73.12	100.00	100.00	
	TATA CDMA	0.02	0.06	98.40	0.00	0.47	0.39	2.03	99.36	0	0.00	0.00	100.00	100.00	100.00	98.15	97.58	100.00	98.94	
	TATA GSM	0.05	0.19	98.09	0.02	0.05	0.73	2.32	98.37	0	0.00	0.00	100.00	100.00	100.00	98.09	92.93	100.00	100.00	
	Telewings	0.15	0.53	97.85	0.49	0.87	0.50	2.30	98.02	0	NA	0.01	100.00	100.00	NA	95.91	90.38	NA	NA	
	Videocon	0.06	0.13	98.91	0.14	0.10	0.54	0.94	97.66	0	NA	0.02	100.00	100.00	100.00	100.00	98.09	NA	0.00	
Vodafone	0.03	0.08	99.70	0.16	0.30	0.91	2.69	97.07	0	0.09	0.02	100.00	100.00	100.00	100.00	96.64	100.00	100.00		
HP	Aircel	0.30	1.46	99.27	0.07	0.48	1.41	12.71	95.14	0	0.00	0.00	100.00	100.00	100.00	99.42	97.48	100.00	100.00	
	Airtel	0.03	0.05	99.10	0.09	0.21	0.60	1.56	98.79	0	0.05	0.00	100.00	100.00	100.00	98.72	97.88	100.00	100.00	
	BSNL	1.68	1.92	97.90	0.66	1.77	1.64	2.57	100.00	0	0	0	100.00	*	100.00	100.00	89.62	100.00	100.00	
	Idea	0.14	0.00	98.76	0.13	0.54	1.27	2.37	95.80	0	0.04	0.03	100.00	100.00	100.00	99.11	99.00	100.00	100.00	
	RCOM CDMA	0.17	0.35	99.07	0.00	0.00	0.07	0.24	99.77	0	0.02	0.03	100.00	100.00	100.00	99.50	96.75	100.00	100.00	
	RTL	0.19	0.40	98.59	0.03	0.04	0.68	0.03	98.09	0	0.03	0.09	100.00	100.00	100.00	98.96	91.70	100.00	100.00	
	TATA CDMA	0.02	0.00	97.90	0.00	0.17	0.14	0.16	98.19	0	0.00	0.00	100.00	100.00	100.00	97.63	98.84	100.00	100.00	
	TATA GSM	0.00	0.00	98.76	0.00	0.00	1.51	0.00	97.79	0	0.00	0.00	100.00	100.00	100.00	99.06	97.52	100.00	100.00	
Vodafone	0.15	0.89	97.50	0.02	0.11	0.63	1.53	98.03	0	0.01	0.02	100.00	100.00	100.00	100.00	99.81	100.00	100.00		

Annexure 4.1 (Contd.)

HR	Aircel	0.19	0.00	99.18	0.36	0.00	5.17	6.09	98.90	0	0.00	0.00	100.00	100.00	100.00	95.96	99.11	100.00	100.00
	Airtel	0.05	0.07	99.32	0.10	0.15	0.33	0.71	99.07	0	0.06	0.00	100.00	100.00	100.00	100.00	96.80	100.00	100.00
	BSNL	1.02	1.39	97.17	0.23	0.96	1.32	1.45	97.34	1	0.07	0.02	100.00	*	100.00	100.00	61.34	100.00	100.00
	Idea	0.01	0.00	99.99	0.30	0.35	0.55	1.50	98.03	0	0.15	0.06	100.00	100.00	100.00	100.00	99.00	100.00	100.00
	RCOM CDMA	0.26	0.66	98.33	0.00	0.17	0.05	0.16	99.75	0	0.03	0.05	100.00	100.00	100.00	99.29	95.43	100.00	100.00
	RCOM GSM	0.38	0.85	99.77	0.01	0.02	0.29	0.01	99.24	0	0.03	0.09	100.00	100.00	100.00	98.99	93.09	100.00	100.00
	TATA CDMA	0.08	0.08	98.50	0.00	0.14	0.33	2.11	95.99	0	0.01	0.00	100.00	100.00	100.00	96.22	99.00	100.00	100.00
	TATA GSM	0.02	0.00	98.72	0.07	0.29	0.69	2.39	97.05	0	0.00	0.00	100.00	100.00	100.00	99.29	96.70	100.00	100.00
	Videocon	0.15	0.66	98.94	0.09	0.07	0.56	0.91	97.94	0	NA	0.03	100.00	100.00	100.00	100.00	95.96	NA	0.00
Vodafone	0.03	0.01	99.83	0.12	0.17	0.70	0.34	97.82	0	0.07	0.01	100.00	100.00	100.00	100.00	99.40	100.00	100.00	
J&K	Aircel	2.54	17.02	94.16	1.26	5.35	1.52	14.00	93.44	0	0.00	0.00	100.00	100.00	100.00	92.07	98.86	100.00	100.00
	Airtel	0.12	0.09	98.29	0.29	0.47	0.49	1.09	98.19	0	0.04	0.00	100.00	100.00	100.00	99.40	94.69	100.00	100.00
	BSNL	0.51	0.69	98.00	0.85	1.01	1.04	2.24	97.84	0	0.03	0.03	100.00	*	100.00	100.00	50.00	100.00	100.00
	Idea	0.70	1.76	97.99	0.59	1.42	1.69	2.49	96.40	0	0.03	0.01	100.00	100.00	100.00	96.78	96.00	100.00	100.00
	RCOM GSM	0.57	1.08	99.47	0.01	0.07	0.44	0.04	98.83	0	0.04	0.09	100.00	100.00	100.00	98.90	95.94	100.00	100.00
	Vodafone	0.42	3.11	96.76	0.74	2.04	0.83	1.24	98.11	0	0.06	0.02	100.00	100.00	100.00	100.00	99.21	100.00	100.00
KOL	Aircel	0.35	1.28	97.81	0.67	0.42	0.87	3.19	97.08	0	0.01	0.00	100.00	100.00	100.00	64.09	94.88	100.00	100.00
	Airtel	0.02	0.00	99.70	0.05	0.20	0.75	1.08	96.12	0	0.01	0.00	100.00	100.00	100.00	100.00	95.46	100.00	100.00
	BSNL	5.44	23.56	99.41	0.48	0.55	0.49	2.66	99.81	0	0.02	0.10	99.06	*	100.00	95.00	94.00	100.00	100.00
	Idea	0.13	0.24	99.68	0.04	0.04	0.25	0.21	96.53	0	0.07	0.07	100.00	100.00	100.00	99.25	97.00	100.00	100.00
	MTS	0.07	0.00	99.84	0.00	0.00	0.50	0.75	99.89	0	0.02	0.02	100.00	100.00	100.00	98.30	96.30	100.00	100.00
	RCOM CDMA	0.18	0.14	99.06	0.00	0.01	0.12	0.48	99.75	0	0.03	0.07	100.00	100.00	100.00	99.39	98.53	100.00	100.00
	RTL	0.16	0.10	99.44	0.03	0.01	0.43	0.03	98.17	0	0.03	0.09	100.00	100.00	100.00	98.86	93.16	100.00	100.00
	TATA CDMA	0.03	0.00	99.01	0.00	0.10	0.73	1.83	99.24	0	0.00	0.00	100.00	100.00	100.00	99.15	92.94	100.00	98.81
	TATA GSM	0.03	0.20	98.65	0.07	0.03	0.69	1.61	97.57	0	0.00	0.00	100.00	100.00	100.00	98.82	87.18	100.00	100.00
Vodafone	0.05	0.26	99.61	0.04	0.39	0.95	2.73	97.03	0	0.03	0.04	100.00	100.00	100.00	100.00	98.25	100.00	100.00	
KR	Aircel	0.38	0.00	99.90	0.01	0.00	0.59	2.53	98.77	0	0.00	0.00	100.00	100.00	100.00	99.07	97.32	100.00	100.00
	Airtel	0.00	0.00	99.83	0.04	0.07	0.29	0.86	99.72	0	0.02	0.00	100.00	100.00	100.00	99.75	96.27	100.00	100.00
	BSNL	0.46	0.57	98.00	0.26	1.78	0.59	1.58	99.79	0	0.04	0.06	100.00	*	100.00	97.00	66.6	100.00	100.00
	Idea	0.16	0.01	99.90	0.30	1.33	0.23	1.94	95.24	0	0.18	0.10	100.00	100.00	100.00	99.13	99.00	100.00	100.00
	MTS	0.06	0.00	99.56	0.00	0.01	0.75	2.90	99.20	0	0.00	0.04	100.00	100.00	100.00	96.40	95.30	100.00	100.00
	RCOM CDMA	0.19	0.11	99.13	0.00	0.01	0.04	0.06	99.74	0	0.07	0.06	100.00	100.00	100.00	99.08	96.22	100.00	100.00
	RCOM GSM	0.14	0.08	99.62	0.01	0.07	0.21	0.03	99.18	0	0.09	0.09	100.00	100.00	100.00	98.84	89.08	100.00	100.00
	TATA CDMA	0.02	0.00	98.81	0.00	0.02	0.71	0.12	99.13	0	0.00	0.00	100.00	100.00	100.00	99.06	96.40	100.00	100.00
	TATA GSM	0.03	0.00	98.80	0.02	0.10	0.66	0.58	98.24	0	0.00	0.00	100.00	100.00	100.00	99.19	90.76	100.00	100.00
Vodafone	0.04	0.21	99.54	0.08	0.46	0.59	0.62	97.47	0	0.10	0.04	100.00	100.00	100.00	100.00	100.00	100.00	100.00	

Annexure 4.1 (Contd.)

KTK	Aircel	0.15	0.48	98.64	0.17	0.36	1.30	7.58	96.58	0	0.00	0.00	100.00	100.00	100.00	96.57	98.04	100.00	100.00
	Airtel	0.37	1.48	99.03	0.24	0.33	0.71	1.05	99.22	0	0.02	0.00	100.00	100.00	100.00	100.00	96.04	100.00	100.00
	BSNL	1.07	1.82	98.22	0.11	0.58	1.10	2.45	97.28	0	0.04	0.05	100.00	*	100.00	98.00	90.38	100.00	100.00
	Idea	0.10	0.30	97.90	0.30	0.18	0.75	1.91	96.27	0	0.04	0.07	100.00	100.00	100.00	99.25	99.00	100.00	100.00
	MTS	0.20	0.00	99.37	0.00	0.11	0.55	1.46	99.16	0	0.00	0.01	100.00	100.00	100.00	99.90	95.20	100.00	100.00
	RCOM CDMA	0.35	0.88	98.52	0.00	0.01	0.08	0.05	99.78	0	0.06	0.03	100.00	100.00	100.00	98.09	92.67	100.00	100.00
	RCOM GSM	0.35	0.85	99.65	0.02	0.05	0.29	0.01	98.90	0	0.08	0.09	100.00	100.00	100.00	98.53	91.18	100.00	100.00
	TATA CDMA	0.07	0.25	98.95	0.00	0.02	0.46	1.47	98.25	0	0.00	0.00	100.00	100.00	100.00	99.23	90.20	100.00	99.80
	TATA GSM	0.05	0.06	98.29	0.13	0.25	0.75	2.92	97.55	0	0.00	0.00	100.00	100.00	100.00	99.52	75.23	100.00	100.00
Vodafone	0.10	0.38	99.93	0.05	0.07	0.58	1.70	98.66	0	0.10	0.19	100.00	100.00	100.00	100.00	92.42	100.00	100.00	
MBI	Aircel	0.06	0.04	98.10	0.21	0.73	1.02	6.22	97.80	0	0.00	0.00	100.00	100.00	100.00	98.89	95.58	100.00	100.00
	Airtel	0.00	0.00	99.99	0.00	0.00	0.27	0.02	99.96	0	0.01	0.00	100.00	100.00	100.00	100.00	96.12	100.00	100.00
	Idea	0.07	0.05	98.57	0.67	0.85	1.66	2.70	95.93	0	0.08	0.09	100.00	100.00	100.00	99.15	97.00	100.00	100.00
	loop	0.01	0.00	98.68	0.30	0.18	1.27	1.86	97.03	9	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MTNL GSM	0.56	1.41	98.03	0.27	0.09	1.23	1.43	95.53	0	0.02	0.02	100.00	100.00	100.00	95.26	95.20	99.98	100.00
	MTNL CDMA	0.35	1.14	97.31	0.88	0.01	1.24	2.28	97.21	0	NR								
	RCOM CDMA	0.27	0.15	97.88	0.00	0.03	0.72	0.09	99.79	0	0.10	0.03	100.00	100.00	100.00	99.20	69.20	100.00	100.00
	RCOM GSM	0.26	0.28	99.58	0.05	0.07	0.39	0.03	98.93	0	0.07	0.09	100.00	100.00	100.00	98.98	67.73	100.00	100.00
	TATA CDMA	0.02	0.04	98.95	0.00	0.06	0.65	2.43	99.02	0	0.00	0.00	99.70	100.00	100.00	99.47	94.42	100.00	100.00
TATA GSM	0.01	0.00	99.44	0.14	0.34	0.40	2.48	97.68	0	0.00	0.00	100.00	100.00	100.00	97.90	89.88	100.00	100.00	
Vodafone	0.01	0.00	99.44	0.06	0.56	0.90	1.94	97.42	0	0.04	0.01	100.00	100.00	100.00	99.80	95.86	100.00	100.00	
MH	Aircel	0.03	0.02	99.55	0.04	0.10	0.81	3.77	97.32	0	0.00	0.01	100.00	100.00	100.00	98.31	68.53	100.00	100.00
	Airtel	0.01	0.00	99.75	0.04	0.08	0.45	0.13	98.83	0	0.02	0.00	100.00	100.00	100.00	100.00	96.55	100.00	100.00
	BSNL	1.92	1.90	95.79	0.59	1.62	1.53	2.36	96.13	0	0	0.03	100.00	*	100.00	100.00	95.58	100.00	100.00
	Idea	0.10	0.35	98.46	0.66	1.03	1.10	1.30	97.28	0	0.18	0.07	100.00	100.00	100.00	99.20	100.00	100.00	99.52
	RCOM CDMA	0.19	0.47	97.96	0.00	0.03	0.19	0.80	99.80	0	0.09	0.06	100.00	100.00	100.00	99.33	71.28	100.00	100.00
	RCOM GSM	0.24	0.72	99.58	0.02	0.04	0.43	0.02	98.78	0	0.08	0.10	100.00	100.00	100.00	99.28	71.96	100.00	100.00
	TATA CDMA	0.00	0.00	98.39	0.00	0.21	0.92	2.09	99.09	0	0.00	0.00	100.00	100.00	100.00	98.78	97.23	100.00	100.00
	TATA GSM	0.00	0.00	99.62	0.07	0.12	0.62	1.66	97.49	0	0.00	0.00	100.00	100.00	100.00	98.05	93.32	100.00	100.00
	Telewings	0.16	0.60	97.63	0.44	1.42	0.58	1.49	97.66	0	NA	0.02	100.00	100.00	NA	95.48	98.48	NA	NA
Vodafone	0.08	0.28	99.51	0.33	0.49	0.77	1.65	97.24	0	0.06	0.06	100.00	100.00	100.00	99.98	98.52	100.00	100.00	
MP	Aircel	0.30	0.78	98.49	0.16	0.00	0.66	1.24	99.14	0	0.00	0.00	100.00	100.00	100.00	97.96	97.79	100.00	100.00
	Airtel	0.13	0.32	99.66	0.03	0.30	0.92	2.08	96.50	0	0.02	0.00	100.00	100.00	100.00	100.00	98.36	100.00	100.00
	BSNL	1.96	1.52	95.89	0.61	1.73	1.72	2.64	80.66	0	0.00	0.03	100.00	*	100.00	49.00	99.21	100.00	100.00
	Idea	0.65	1.61	98.37	0.67	1.32	0.96	1.63	97.26	0	0.05	0.04	100.00	100.00	100.00	99.07	99.00	100.00	100.00
	RCOM CDMA	0.54	1.36	99.20	0.00	0.00	0.08	0.45	99.84	0	0.03	0.09	100.00	100.00	100.00	98.53	98.59	100.00	100.00
	RTL	0.23	0.46	98.77	0.09	0.11	0.55	0.02	97.91	0	0.03	0.09	100.00	100.00	100.00	98.94	91.54	100.00	100.00
	TATA CDMA	0.05	0.00	99.07	0.00	0.10	0.55	2.02	99.18	0	0.00	0.00	100.00	100.00	100.00	97.42	94.78	100.00	100.00
	TATA GSM	0.01	0.01	98.58	0.04	0.04	0.56	1.11	98.63	0	0.00	0.00	100.00	100.00	100.00	98.60	91.52	100.00	100.00
Videocon	0.15	0.74	99.08	0.10	0.10	0.56	1.13	98.37	0	NA	0.09	100.00	100.00	100.00	100.00	95.30	NA	0.00	
Vodafone	0.09	0.07	99.65	0.09	0.35	0.72	1.13	98.90	0	0.07	0.15	100.00	100.00	100.00	100.00	98.95	100.00	100.00	

Annexure 4.1 (Contd.)

NE	Aircel	8.69	43.59	96.05	2.49	3.11	2.22	23.05	92.88	0	0.00	0.00	100.00	100.00	100.00	97.02	97.27	100.00	100.00
	Airtel	0.32	1.46	97.74	0.53	0.45	1.09	0.87	98.93	0	0.01	0.00	100.00	100.00	100.00	100.00	96.92	100.00	100.00
	BSNL	4.29	14.59	95.26	3.46	4.42	4.61	14.61	92.39	0	0.05	0.05	80.50	*	100.00	98.50	86.50	100.00	100.00
	Idea	1.27	0.86	98.41	0.19	1.02	1.78	1.95	95.50	0	0.00	0.17	100.00	100.00	100.00	99.87	99.00	100.00	100.00
	RTL	0.35	1.54	98.59	0.02	0.27	0.65	0.07	97.99	0	0.04	0.06	100.00	100.00	100.00	98.24	86.90	100.00	100.00
	Vodafone	1.68	1.94	99.62	0.14	0.38	0.68	2.34	97.91	0	0.22	0.14	100.00	100.00	100.00	100.00	100.00	100.00	100.00
OR	Aircel	2.01	8.54	99.03	0.62	0.67	1.41	9.33	95.08	0	0.00	0.00	100.00	100.00	100.00	56.90	98.89	100.00	100.00
	Airtel	0.12	0.33	98.96	0.23	1.59	1.08	1.38	96.12	0	0.02	0.00	100.00	100.00	100.00	100.00	98.52	100.00	100.00
	BSNL	0.75	1.04	98.51	0.64	1.49	1.75	2.93	98.00	0	0.02	0.00	100.00	*	100.00	97.00	96.33	100.00	100.00
	Idea	0.23	0.66	98.27	0.22	0.22	0.51	1.23	95.62	0	0.01	0.06	99.97	100.00	100.00	98.72	97.00	100.00	100.00
	RCOM CDMA	0.31	0.56	99.42	0.00	0.00	0.31	2.69	99.77	0	0.02	0.08	100.00	100.00	100.00	99.02	98.94	100.00	100.00
	RTL	0.11	0.50	98.56	0.16	0.48	0.56	0.22	98.22	0	0.03	0.09	100.00	100.00	100.00	98.84	88.94	100.00	100.00
	TATA CDMA	0.09	0.05	98.78	0.00	0.03	0.49	1.22	98.25	0	0.00	0.00	100.00	100.00	100.00	98.66	96.79	100.00	100.00
	TATA GSM	0.04	0.00	98.02	0.12	0.69	0.47	1.26	97.59	0	0.00	0.00	100.00	100.00	100.00	95.60	97.07	100.00	100.00
Vodafone	0.13	0.49	99.67	0.21	0.33	0.69	1.83	98.18	0	0.06	0.05	100.00	100.00	100.00	99.95	98.28	100.00	100.00	
PB	Aircel	0.14	0.33	97.76	0.29	1.30	0.73	3.17	96.72	0	0.00	0.00	100.00	100.00	100.00	99.30	96.86	100.00	100.00
	Airtel	0.05	0.03	99.46	0.08	0.07	0.43	0.73	98.64	0	0.07	0.00	100.00	100.00	100.00	100.00	96.72	100.00	100.00
	BSNL	0.50	1.75	96.59	0.55	1.40	1.64	19.46	95.72	1	0.00	0.00	100.00	*	100.00	100.00	49.31	100.00	100.00
	Idea	0.05	0.05	98.83	0.06	0.19	0.52	0.27	97.40	0	0.06	0.03	100.00	100.00	100.00	99.90	100.00	100.00	100.00
	QTL cdma	0.56	0.00	98.69	0.46	0.98	0.49	0.25	97.77	0	0.00	0.00	100.00	100.00	100.00	97.00	96.00	100.00	100.00
	QTL gsm	0.07	0.09	98.60	0.06	0.28	0.90	1.09	97.20	0	0.00	0.01	100.00	100.00	100.00	100.00	95.72	100.00	100.00
	RCOM CDMA	0.14	0.27	98.62	0.00	0.00	0.03	0.11	99.72	0	0.03	0.03	100.00	100.00	100.00	98.69	95.88	100.00	100.00
	RCOM GSM	0.13	0.15	99.65	0.01	0.03	0.28	0.01	98.91	0	0.03	0.09	100.00	100.00	100.00	99.11	92.96	100.00	100.00
	TATA CDMA	0.02	0.00	98.83	0.00	0.13	0.58	0.33	99.00	0	0.02	0.00	100.00	100.00	100.00	98.77	98.49	100.00	100.00
TATA GSM	0.02	0.00	98.97	0.04	0.12	0.61	1.83	97.27	0	0.01	0.00	100.00	100.00	100.00	99.15	86.64	100.00	100.00	
Vodafone	0.02	0.00	99.84	0.16	0.16	0.57	1.07	98.04	0	0.03	0.01	100.00	100.00	100.00	100.00	99.81	100.00	100.00	
RJ	Aircel	0.17	0.57	97.33	0.20	0.43	0.74	2.51	97.04	0	0.00	0.00	100.00	100.00	100.00	87.80	95.12	100.00	100.00
	Airtel	0.06	0.13	99.10	0.15	0.27	0.83	1.11	99.05	0	0.02	0.00	100.00	100.00	100.00	99.97	98.16	100.00	100.00
	BSNL	1.64	1.82	98.68	0.52	1.69	1.41	2.61	98.51	0	0.04	0.09	62.72	*	100.00	95.45	96.43	100.00	100.00
	Idea	0.05	0.04	99.13	0.30	0.49	1.03	2.37	96.20	0	0.08	0.06	100.00	100.00	100.00	98.78	99.48	100.00	100.00
	MTS	0.03	0.02	99.01	0.00	0.26	0.48	0.38	99.21	0	0.07	0.03	100.00	100.00	100.00	95.80	97.60	100.00	100.00
	RCOM CDMA	0.23	0.60	99.04	0.00	0.01	0.08	0.37	99.73	0	0.07	0.09	100.00	100.00	100.00	97.93	99.40	100.00	100.00
	RCOM GSM	0.21	0.48	99.62	0.02	0.05	0.36	0.04	98.64	0	0.06	0.09	100.00	100.00	100.00	98.93	99.67	100.00	100.00
	TATA CDMA	0.07	0.00	97.81	0.00	1.37	0.53	0.88	98.95	0	0.00	0.00	100.00	100.00	100.00	98.42	97.46	100.00	100.00
	TATA GSM	0.10	0.07	98.42	0.03	0.08	0.74	1.53	98.39	0	0.00	0.00	100.00	100.00	100.00	98.79	96.22	100.00	100.00
Vodafone	0.04	0.11	99.81	0.12	0.19	0.73	0.50	97.14	0	0.07	0.11	100.00	100.00	100.00	100.00	98.23	100.00	100.00	

Annexure 4.1 (Contd.)

TN	Aircel	0.28	1.12	98.76	0.37	0.75	1.18	7.22	95.11	0	0.00	0.00	100.00	100.00	100.00	96.07	98.23	100.00	100.00	
	Airtel	0.01	0.01	99.78	0.08	0.07	0.23	0.45	99.65	0	0.01	0.00	100.00	100.00	100.00	100.00	95.50	100.00	100.00	
	BSNL	0.48	1.58	98.89	0.15	0.56	0.98	2.36	97.19	0	0.02	0.02	100.00	*	100.00	100.00	92.00	100.00	100.00	
	Idea	0.01	0.00	99.64	0.03	0.11	0.26	0.86	96.89	0	0.03	0.07	100.00	100.00	100.00	99.11	99.00	100.00	100.00	
	MTS	0.06	0.00	99.39	0.00	0.03	0.46	1.85	99.20	0	0.04	0.01	100.00	100.00	100.00	99.60	93.20	100.00	100.00	
	RCOM CDMA	Incl in CHN																		
	RCOM GSM	Incl in CHN																		
	TATA CDMA	0.04	0.00	98.86	0.00	0.66	0.43	0.47	98.85	0	0.00	0.00	100.00	100.00	100.00	99.33	97.25	100.00	99.06	
	TATA GSM	0.08	0.13	99.45	0.07	0.05	0.64	0.95	98.62	0	0.00	0.00	100.00	100.00	100.00	99.27	92.60	100.00	100.00	
Vodafone	0.04	0.18	99.65	0.13	0.35	0.78	1.45	97.47	0	0.02	0.01	100.00	100.00	100.00	100.00	96.13	100.00	100.00		
UPE	Aircel	0.30	1.91	98.68	0.60	0.71	0.58	3.09	97.48	0	0.00	0.00	100.00	100.00	100.00	95.44	97.60	100.00	100.00	
	Airtel	0.42	1.48	98.67	0.34	0.46	0.84	2.80	97.50	0	0.01	0.00	100.00	100.00	100.00	100.00	96.65	100.00	100.00	
	BSNL	1.82	1.80	97.93	0.95	1.81	1.71	2.47	96.50	0	0.08	0.09	100.00	*	100.00	90.70	92.89	100.00	100.00	
	Idea	0.34	1.29	98.04	0.65	1.69	1.16	2.79	96.48	0	0.08	0.04	100.00	100.00	100.00	99.77	100.00	100.00	100.00	
	RCOM CDMA	0.43	1.71	98.45	0.00	0.03	0.26	1.37	99.84	0	0.08	0.07	100.00	100.00	100.00	97.62	94.58	100.00	100.00	
	RCOM GSM	0.24	0.65	99.46	0.04	0.09	0.43	0.03	98.93	0	0.05	0.09	100.00	100.00	100.00	98.91	96.03	100.00	100.00	
	TATA CDMA	0.07	0.10	98.64	0.00	0.10	0.57	1.19	99.21	0	0.00	0.00	100.00	100.00	100.00	99.52	97.40	100.00	98.81	
	TATA GSM	0.13	0.85	96.82	0.25	1.52	1.02	2.97	96.98	0	0.00	0.00	100.00	100.00	100.00	99.28	97.49	100.00	100.00	
	Telewings	0.42	1.83	97.68	0.42	1.15	0.69	2.07	92.49	0	NA	0.07	100.00	100.00	NA	95.66	99.50	NA	NA	
Vodafone	0.11	0.45	99.21	0.26	0.81	1.31	3.35	96.43	3	0.07	0.04	100.00	100.00	100.00	100.00	98.84	100.00	100.00		
UPW	Aircel	0.13	0.95	98.78	0.25	0.69	0.37	2.33	96.97	0	0.00	0.00	100.00	100.00	100.00	95.55	96.39	100.00	100.00	
	Airtel	0.63	1.22	97.68	0.78	1.12	1.42	2.33	97.14	0	0.02	0.00	100.00	100.00	100.00	100.00	96.18	100.00	100.00	
	BSNL	0.89	1.86	97.56	0.53	1.33	1.31	2.03	96.54	0	0.00	0.00	82.50	*	100.00	100.00	96.00	100.00	100.00	
	Idea	0.10	0.24	99.19	0.78	1.90	0.98	2.03	95.87	0	0.05	0.01	100.00	100.00	100.00	99.46	98.00	100.00	100.00	
	MTS	0.02	0.00	99.49	0.00	0.00	0.50	1.72	99.11	0	0.05	0.03	100.00	100.00	100.00	95.50	98.90	100.00	100.00	
	RCOM CDMA	0.47	1.50	98.99	0.00	0.03	0.20	1.15	99.78	0	0.03	0.06	100.00	100.00	100.00	97.53	95.85	100.00	100.00	
	RCOM GSM	0.40	1.57	99.61	0.02	0.05	0.33	0.03	98.80	0	0.03	0.09	100.00	100.00	100.00	97.74	93.79	100.00	100.00	
	TATA CDMA	0.06	0.06	99.18	0.00	0.06	0.51	1.26	98.95	0	0.00	0.00	100.00	100.00	100.00	99.05	96.82	100.00	100.00	
	TATA GSM	0.14	0.36	98.53	0.12	0.40	0.80	1.72	97.27	0	0.00	0.00	100.00	100.00	100.00	99.01	94.35	100.00	100.00	
WB	Telewings	0.21	0.67	98.10	0.49	1.14	0.50	1.85	94.61	0	NA	0.02	100.00	100.00	NA	95.56	98.41	NA	NA	
	Vodafone	0.60	0.53	99.57	0.22	0.43	0.80	1.00	97.43	0	0.09	0.08	100.00	100.00	100.00	100.00	98.71	100.00	100.00	
	Aircel	1.94	7.81	97.36	0.58	1.26	1.41	11.42	95.24	0	0.00	0.00	100.00	100.00	100.00	31.49	97.98	100.00	100.00	
	Airtel	0.01	0.01	98.93	0.23	1.35	1.19	1.75	95.60	0	0.03	0.00	100.00	100.00	100.00	100.00	97.32	100.00	100.00	
	BSNL	3.05	15.96	98.18	1.57	1.17	1.41	7.88	96.45	0	0.02	0.24	99.17	*	100.00	95.00	88.06	100.00	100.00	
	Idea	0.05	0.19	98.86	0.07	0.57	0.42	0.39	95.07	0	0.09	0.07	100.00	100.00	100.00	98.74	98.00	100.00	100.00	
	MTS	0.16	0.00	99.71	0.00	0.06	0.77	2.22	99.76	0	0.01	0.02	100.00	100.00	100.00	99.40	95.70	100.00	100.00	
	RCOM CDMA	0.37	0.74	98.72	0.00	0.03	0.23	0.85	99.67	0	0.03	0.07	100.00	100.00	100.00	99.35	98.53	100.00	100.00	
	RTL	0.26	0.73	98.66	0.04	0.13	0.61	0.06	98.34	0	0.03	0.09	100.00	100.00	100.00	98.99	95.79	100.00	100.00	
WB	TATA CDMA	0.01	0.00	98.89	0.00	0.01	0.62	1.68	97.96	0	0.00	0.00	100.00	100.00	100.00	99.11	97.34	100.00	100.00	
	TATA GSM	0.03	0.00	98.75	0.07	0.26	0.60	0.66	97.52	0	0.00	0.00	100.00	100.00	100.00	96.66	86.18	100.00	100.00	
	Vodafone	0.03	0.15	99.37	0.29	0.63	0.87	1.73	95.23	0	0.03	0.04	100.00	100.00	100.00	100.00	95.18	100.00	100.00	

*BSNL has submitted data for Resolution of billing/charging complaints only for the benchmark 98% within 4 weeks

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, December , 2014											
Name of the Service Area / City	Name of Service Provider	Network Availability		Connection Establishment (Accessibility)			Connection Maintenance (Retainability)			POI	
		Node-B's Accumulated downtime (not available for service) (%age)	Worst affected Node-B's due to downtime (%age)	Call Set-up Success Rate (within licensee's own network)	SDCCH/Paging Channel and RRC Congestion (%age)	TCH and Circuit Switched RAB Congestion (%age)	Call Drop and Circuit Switched Voice Drop Rate: (%age)	Worst affected cells having more than 3%TCH drop (call drop) and Circuit Switched Voice Drop Rate: CBBH	Connections with good voice quality and Circuit Switch Voice Quality (CSV quality)	Point of Interconnection (POI) Congestion	
		1	2	3	4	5	6	7	8	9	10
		Benchmark	≤ 2%	≤ 2%	≥ 95%	≤ 1%	≤ 2%	≤ 2%	≤ 3%	≥ 95%	≤ 0.5%
AP	Aircel	0.13	0.61	98.86	0.62	0.53	0.67	6.82	99.77	0	
	Airtel	0.11	0.04	98.88	0.30	0.00	0.50	2.41	99.06	0	
	BSNL	0.97	1.87	97.33	0.80	1.83	0.73	2.90	99.80	0	
	Idea	0.04	0.09	99.40	0.16	0.21	0.46	1.07	99.78	0	
ASM	Aircel	1.75	11.00	97.43	0.93	0.20	1.31	13.42	99.14	0	
	Airtel	0.08	0.36	96.12	0.78	0.46	0.65	1.34	99.02	0	
	BSNL	1.87	1.97	96.00	0.00	0.00	1.53	2.83	93.47	0	
	RTL	0.77	1.38	96.40	0.54	0.02	1.29	1.76	99.83	0	
BH	Aircel	3.38	19.77	98.55	0.68	0.13	1.27	13.62	99.13	0	
	Airtel	0.39	0.61	99.56	0.03	0.24	0.73	1.23	99.57	0	
	BSNL	7.28	23.37	95.83	0.02	0.63	1.80	11.83	96.42	0	
	RTL	0.74	1.56	96.43	0.80	0.07	1.17	1.85	99.79	0	
CHN	Aircel	0.83	4.45	95.67	0.40	0.56	0.92	9.09	97.14	0	
	Airtel	0.07	0.05	99.09	0.28	0.86	0.23	0.81	99.63	0	
	BSNL	1.30	1.87	98.67	0.87	1.37	1.47	1.87	95.60	0	
	Vodafone	0.04	0.04	99.69	0.43	0.09	0.33	0.70	98.93	0	
DLI	Airtel	0.19	0.81	99.18	0.12	0.12	0.43	2.27	98.96	0	
	MTNL	0.50	1.30	97.30	0.50	1.47	1.57	1.47	96.30	0	
	RCOM	0.32	1.65	98.70	0.62	1.31	0.64	1.64	99.65	0	
	Vodafone	0.13	0.75	98.76	0.11	0.30	0.67	2.60	99.07	0	
GJ	BSNL	1.40	1.70	96.67	0.67	1.43	1.43	2.57	100.00	0	
	Idea	0.05	0.14	99.68	0.38	0.20	0.54	1.82	99.08	0	
	TATA	0.03	0.13	96.47	0.82	1.71	0.62	1.51	99.70	0	
	Vodafone	0.03	0.04	99.78	0.12	0.07	0.21	0.17	98.94	0	
HP	Airtel	0.04	0.05	99.07	0.01	0.00	0.55	1.59	98.86	0	
	BSNL	2.00	1.80	97.67	0.83	1.67	1.80	2.87	96.17	0	
	Idea	0.17	0.00	98.36	0.88	0.49	1.18	2.61	98.80	0	
	RTL	0.67	1.18	97.98	0.00	0.00	0.41	1.13	99.91	0	
HR	BSNL	1.70	1.40	96.88	0.84	1.12	1.59	2.54	96.87	1	
	Idea	0.00	0.00	99.60	0.37	0.00	0.32	1.18	99.01	0	
	TATA	0.05	0.00	97.09	0.54	1.96	0.36	1.24	99.19	0	
	Vodafone	0.03	0.07	99.81	0.12	0.03	0.47	1.17	98.96	0	

Annexure 4.2 (Contd.)

J&K	Aircel	3.22	17.69	96.61	1.16	0.18	1.47	14.38	99.06	0
	Airtel	0.15	0.00	98.48	0.04	0.01	0.99	1.14	98.98	0
	BSNL	1.43	1.43	98.00	0.73	1.33	1.27	2.17	97.23	0
	Idea	0.80	1.50	97.72	0.90	0.71	1.68	2.79	98.89	0
	RCOM	0.47	1.46	96.75	0.55	1.27	1.56	2.65	98.99	0
KOL	Aircel	0.40	1.57	99.49	0.14	0.03	0.26	2.93	99.28	0
	BSNL	5.33	25.33	99.00	0.90	4.53	0.87	0.37	99.87	0
	RTL	0.54	1.46	96.65	0.60	0.01	1.05	1.41	99.83	0
	Vodafone	0.05	0.22	99.77	0.03	0.02	0.30	0.44	99.05	0
KR	Aircel	0.00	0.00	99.77	0.33	0.21	0.59	0.08	99.79	0
	BSNL	0.53	0.23	96.00	0.10	0.80	1.17	0.10	99.87	0
	Idea	0.08	0.00	99.39	0.94	0.35	0.34	2.05	97.84	0
	TATA	0.02	0.00	96.94	1.39	1.08	0.34	0.08	99.81	0
KTK	Aircel	0.17	0.33	98.33	0.92	0.76	0.97	10.74	99.76	0
	Airtel	0.07	0.27	99.05	0.14	0.26	0.21	1.58	99.70	0
	BSNL	0.57	1.93	97.67	0.43	0.50	1.20	1.57	97.47	0
	TATA	0.07	0.08	98.73	0.83	0.64	0.50	1.61	99.13	0
MBI	Airtel	0.01	0.00	99.98	0.00	0.00	0.17	0.05	99.92	0
	MTNL	0.50	1.17	96.40	0.83	1.33	1.53	2.37	98.99	0
	RCOM	0.55	1.72	97.46	0.69	1.22	0.72	1.79	99.67	0
	Vodafone	0.01	0.00	98.86	0.00	0.00	0.83	1.28	98.97	0
MH	BSNL	1.90	1.77	96.00	0.00	1.87	1.97	2.70	95.80	0
	Idea	0.07	0.11	99.48	0.53	0.21	1.03	2.85	98.70	0
	TATA	0.02	0.00	96.91	0.94	0.82	0.78	1.80	99.99	0
	Vodafone	0.09	0.09	99.57	0.73	0.24	0.32	0.61	98.94	0
MP	BSNL	1.76	1.21	96.26	0.31	1.23	1.33	2.72	96.31	0
	Idea	0.06	0.23	98.63	0.53	0.48	0.82	1.50	99.19	0
	RTL	0.52	1.48	96.93	0.65	0.09	0.81	1.80	99.81	0
	TATA	0.06	0.00	97.06	0.78	1.29	0.64	1.26	99.69	0
NE	Aircel	12.11	52.17	97.10	0.39	0.07	1.76	17.52	99.06	0
	Airtel	0.97	1.21	97.31	0.45	1.24	0.91	0.80	99.01	0
	BSNL	2.52	10.97	93.00	4.77	4.70	1.28	6.95	95.10	0
	RTL	1.22	1.48	96.57	0.18	0.01	1.49	1.92	99.79	0
OR	Aircel	3.16	10.15	96.94	0.47	0.09	1.13	12.81	99.09	0
	BSNL	0.67	1.67	96.67	1.20	1.83	0.87	2.80	98.00	0
	RTL	0.45	1.28	96.70	0.49	0.02	0.93	1.51	99.83	0

Annexure 4.2 (Contd.)

PB	Aircel	0.19	0.65	99.26	0.19	0.00	0.90	12.13	99.27	0
	BSNL	0.28	1.78	96.26	0.96	1.45	1.74	2.94	96.70	1
	Idea	0.09	0.18	98.81	0.75	0.72	0.90	1.97	99.36	0
	RCOM	0.31	1.45	98.27	0.22	0.75	0.36	1.57	99.72	0
	TATA	0.06	0.07	98.64	0.46	0.78	0.45	1.07	99.08	0
RJ	Airtel	0.08	0.25	99.30	0.19	0.10	0.44	1.46	98.96	0
	BSNL	1.77	1.83	99.00	0.00	0.00	1.40	2.90	98.53	0
	RCOM	0.58	1.53	97.88	0.58	1.14	0.41	1.51	99.72	0
	TATA	0.00	0.00	100.00	0.00	0.00	0.00	0.00	100.00	0
TN	Aircel	0.60	1.46	97.29	0.03	0.01	0.59	6.78	97.84	0
	Airtel	0.02	0.01	99.68	0.04	0.27	0.18	1.43	99.22	0
	BSNL	0.50	1.97	97.67	0.43	0.77	0.13	0.87	99.50	0
	Vodafone	0.05	0.08	99.86	0.02	0.01	0.26	0.27	99.04	0
UPE	Aircel	0.20	0.52	99.86	0.07	0.08	0.57	6.66	99.93	0
	BSNL	1.57	0.83	95.61	1.00	1.97	1.54	0.00	96.33	0
	Idea	0.31	1.39	99.04	0.33	0.15	0.46	2.67	98.70	0
	Vodafone	0.28	0.82	99.88	0.25	0.04	0.21	0.50	98.96	0
UPW	Airtel	0.48	1.46	99.16	0.09	0.00	0.69	2.67	98.52	0
	BSNL	1.62	1.84	97.35	0.86	1.55	1.54	2.92	96.89	0
	Idea	0.34	1.47	99.45	0.37	0.13	0.33	2.02	98.77	0
	TATA	0.14	0.80	99.28	0.34	0.33	0.30	0.63	99.20	0
WB	Aircel	1.07	3.75	98.82	0.08	0.00	0.37	5.29	98.94	0
	Airtel	0.03	0.00	99.75	0.08	0.53	0.51	2.84	99.57	0
	BSNL	1.73	9.51	97.26	0.91	0.83	1.24	3.92	95.84	0
	RTL	0.75	1.39	97.63	0.66	0.09	1.50	1.77	99.81	0
	Vodafone	0.15	0.37	99.78	0.03	0.05	0.32	0.52	98.95	0

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

Quality Performance Monitoring Report on QoS of Basic Telephone Service (Wireline) for the Q.E. Dec-14

Name of Service Area	Name of Service Provider	Faults incidences (No. of faults/100 Subs./month)	Fault Repair				Rent Rebate	Mean Time to Repair (MTTR)	POI Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark)	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 5 days	% of faults repaired by next working day	% of faults repaired within 7 days				Billing and Billing credibility - post paid	Billing and billing credibility - pre paid	Resolution of billing/charging/validity complaints	Period of applying credit/waiver/ adjustment to customer's account from the date of resolution of complaints	Accessibility of call centre/ customer care	Percentage of calls answered by the operators (voice to voice) within 90 seconds	%age requests for Termination / Closure of service complied within 7 days	Time taken for refund of deposits after closures	
																		Benchmark
A&N	BSNL	3.00	93.00%	100.00%	93.00%	100.00%	8.00	7.00	0.00	0.00%	NA	98.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
AP	Reliance	0.03	100.00%	100.00%	NA	NA	0	4.00	0.00	0.00%	NA	100.00%	100.00%	100.00%	95.00%	95.00%	100.00%	100.00%
	TTSL	4.00	92.00%	100.00%	NA	NA	NA	7.00	0.00%	0.10%	NA	100.00%	NA	100.00%	100.00%	95.00%	100.00%	NA
	Vodafone	0.20	100.00%	NA	NA	NA	NA	3.21	0.00	0.00%	NA	NA	NA	NA	100.00%	100.00%	100.00%	NA
	Bharti	2.15	93.85%	100.00%	NA	NA	0	3.09	0.00	0.00%	NA	100.00%	100.00%	100.00%	99.00%	96.72%	100.00%	100.00%
	BSNL	3.00	92.00%	100.00%	86.00%	100.00%	537.00	8.00	0.00	0.02%	0.00%	100.00%	100.00%	100.00%	94.00%	93.00%	100.00%	100.00%
ASM	Vodafone	0.90	98.14%	100.00%	NA	NA	NA	2.24	0.00	0.00%	NA	NA	NA	NA	100.00%	100.00%	NA	NA
	BSNL	3.00	97.00%	100.00%	96.00%	100.00%	223.00	3.00	0.00	0.06%	0.00%	100.00%	100.00%	100.00%	99.00%	94.00%	100.00%	100.00%
BH	Reliance	0.00	NA	NA	NA	NA	0	0.00	0.00	0.00%	NA	NA	NA	NA	95.00%	95.00%	100.00%	100.00%
	TTSL	1.00	98.00%	100.00%	NA	NA	NA	2.00	0.00%	0.00%	NA	100.00%	NA	100.00%	100.00%	85.00%	NA	NA
	Vodafone	1.90	100.00%	NA	NA	NA	NA	1.33	0.00	0.00%	NA	NA	NA	NA	100.00%	100.00%	NA	NA
	BSNL	3.00	96.00%	100.00%	95.00%	100.00%	0	4.00	0.00	0.00%	0.00%	100.00%	100.00%	100.00%	99.00%	57.00%	100.00%	100.00%
Chattisgarh	BSNL	3.00	98.00%	100.00%	98.00%	100.00%	212	5.00	0.00	0.09%	0.00%	99.00%	100.00%	100.00%	97.00%	83.00%	100.00%	100.00%
CN	Reliance	0.04	100.00%	100.00%	NA	NA	0.00	4.00	0.00	0.00%	NA	NA	NA	NA	95.00%	95.00%	100.00%	100.00%
	Vodafone	0.20	100.00%	NA	NA	NA	NA	1:12:00 PM	0.00	0.00%	NA	NA	NA	NA	100.00%	100.00%	100.00%	NA
	BSNL	4.00	95.00%	100.00%	95.00%	100.00%	719	7.00	0.00	0.00%	0.00%	100.00%	100.00%	100.00%	98.00%	92.00%	100.00%	100.00%
DEL	Reliance	0.04	100.00%	100.00%	NA	NA	0	4.00	0.00	0.01%	NA	100.00%	100.00%	100.00%	95.00%	95.00%	100.00%	100.00%
	TTSL	1.00	95.00%	100.00%	NA	NA	NA	4.00	0.00%	0.10%	NA	100.00%	NA	100.00%	100.00%	95.00%	100.00%	NA
	Vodafone	0.20	99.29%	100.00%	NA	NA	NA	3.27	0.00	0.00%	NA	NA	NA	NA	100.00%	100.00%	100.00%	NA
	Bharti	3.33	89.27%	100.00%	NA	NA	0	4.57	0.00	0.00%	NA	100.00%	100.00%	100.00%	100.00%	97.68%	100.00%	100.00%
	MTNL	6.45	85.92%	97.61%	NA	NA	16137	4.52	0.00	0.03%	0.00%	99.78%	100.00%	100.00%	99.32%	99.75%	99.97%	100.00%
GUJ	Reliance	0.05	100.00%	100.00%	NA	NA	0.00	4.00	0.00	0.01%	NA	100.00%	100.00%	100.00%	95.00%	95.00%	100.00%	100.00%
	TTSL	1.00	97.00%	100.00%	NA	NA	NA	4.00	0.00%	0.10%	NA	100.00%	NA	100.00%	100.00%	92.00%	100.00%	NA
	Vodafone	0.20	100.00%	NA	NA	NA	NA	1.20	0.00	0.00%	NA	NA	NA	NA	100.00%	100.00%	100.00%	NA
	Bharti	1.13	94.21%	100.00%	NA	NA	0	4.75	0.00	0.00%	NA	100.00%	100.00%	100.00%	100.00%	97.42%	100.00%	100.00%
	BSNL	4.00	96.00%	100.00%	96.00%	100.00%	513.00	4.00	0.00	0.00%	0.00%	100.00%	100.00%	100.00%	98.00%	85.00%	100.00%	100.00%

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HP	Reliance	0.00	NA	NA	NA	NA	0	0.00	0.00	0.00%	NA	NA	NA	NA	95.00%	95.00%	100.00%	100.00%
	BSNL	4.00	92.00%	100.00%	96.00%	100.00%	490.00	6.00	0.00	0.04%	0.01%	100.00%	100.00%	100.00%	73.00%	84.00%	100.00%	100.00%
HR	Vodafone	0.00	NA	100.00%	NA	NA	NA	0.57	0.00	0.00%	NA	NA	NA	NA	100.00%	100.00%	NA	NA
	Reliance	0.00	NA	NA	NA	NA	0	0	0.00	0.00%	NA	NA	NA	NA	95.00%	95.00%	100.00%	100.00%
	TTSL	0.00	93.00%	100.00%	NA	NA	NA	9.00	0.00%	0.00%	NA	100.00%	NA	100.00%	100.00%	93.00%	100.00%	NA
	Bharti	4.31	95.55%	100.00%	NA	NA	0	3.25	0.00	0.00%	NA	100.00%	100.00%	100.00%	100.00%	98.62%	100.00%	93.00%
	BSNL	5.00	97.00%	100.00%	97.00%	100.00%	655	6	0.00	0.09%	0.00%	100.00%	100.00%	100.00%	84.00%	89.00%	100.00%	100.00%
J&K	BSNL	4.00	94.00%	100.00%	89.00%	100.00%	86	7	0.00	0.01%	0.00%	98.00%	100.00%	100.00%	55.00%	78.00%	100.00%	100.00%
JHAR	BSNL	3.00	98.00%	100.00%	86.00%	100.00%	2550	6	0.00	0.03%	0.00%	100.00%	100.00%	100.00%	99.00%	87.00%	100.00%	100.00%
KER	Vodafone	0.40	94.11%	100.00%	NA	NA	NA	8.01	0.00	0.00%	NA	NA	NA	NA	100.00%	100.00%	100.00%	NA
	Reliance	0.05	100.00%	100.00%	NA	NA	0	4	0.00	0.00%	NA	100.00%	100.00%	100.00%	95.00%	95.00%	100.00%	100.00%
	TTSL	0.00	57.00%	100.00%	NA	NA	NA	6	0.00%	0.00%	NA	100.00%	NA	100.00%	100.00%	96.00%	NA	NA
	Bharti	1.20	97.23%	100.00%	NA	NA	0	2.84	0.00	0.00%	NA	100.00%	100.00%	100.00%	100.00%	93.32%	100.00%	100.00%
	BSNL	4.00	93.00%	100.00%	90.00%	100.00%	721	7	0.00	0.05%	0.00%	100.00%	100.00%	100.00%	98.00%	100.00%	100.00%	100.00%
KOL	Vodafone	0.20	100.00%	NA	NA	NA	NA	1.17	0.00	0.00%	NA	NA	NA	NA	100.00%	100.00%	NA	NA
	Reliance	0.02	100.00%	100.00%	NA	NA	0	4	0.00	0.01%	NA	100.00%	100.00%	100.00%	95.00%	95.00%	100.00%	100.00%
	TTSL	1.00	NA	100.00%	NA	NA	NA	4	0.00%	0.00%	NA	100.00%	NA	100.00%	100.00%	86.00%	NA	NA
	Bharti	3.04	87.28%	100.00%	NA	NA	0	5.55	0.00	0.00%	NA	100.00%	100.00%	100.00%	100.00%	98.55%	100.00%	100.00%
	BSNL	5.00	91.00%	100.00%	NA	NA	581	8	0.00	0.00%	0.00%	98.00%	100.00%	100.00%	100.00%	92.00%	100.00%	100.00%
KTK	Vodafone	0.30	99.39%	99.39%	NA	NA	NA	0.57	0.00	0.00%	NA	NA	NA	NA	100.00%	100.00%	100.00%	NA
	Reliance	0.04	100.00%	100.00%	NA	NA	0	4	0.00	0.00%	NA	NA	NA	NA	95.00%	95.00%	100.00%	100.00%
	TTSL	0.00	84.00%	100.00%	NA	NA	NA	11	0.00%	0.00%	NA	100.00%	NA	100.00%	100.00%	91.00%	100.00%	NA
	Bharti	2.39	89.41%	100.00%	NA	NA	0	4.25	0.00	0.00%	NA	100.00%	100.00%	100.00%	100.00%	96.12%	100.00%	100.00%
	BSNL	4.00	97.00%	100.00%	97.00%	100.00%	979	7	0.00	0.02%	0.00%	99.00%	100.00%	100.00%	93.00%	83.00%	100.00%	100.00%
MH	Bharti	0.73	97.73%	100.00%	NA	NA	0	3.31	0.00	0.00%	NA	100.00%	100.00%	100.00%	100.00%	97.20%	100.00%	100.00%
	BSNL	4.00	92.00%	100.00%	85.00%	100.00%	379	6	4.00	0.01%	0.00%	100.00%	100.00%	100.00%	97.00%	96.00%	100.00%	100.00%
	Reliance	0.05	100.00%	100.00%	NA	NA	0	4	0.00	0.01%	NA	100.00%	100.00%	100.00%	95.00%	95.00%	100.00%	100.00%
	Vodafone	0.10	97.80%	100.00%	NA	NA	NA	2.15	0.00	0.00%	NA	NA	NA	NA	100.00%	100.00%	NA	NA
	TTSL	1.00	93.00%	100.00%	NA	NA	1	4	0.00%	0.10%	NA	100.00%	NA	100.00%	100.00%	82.00%	100.00%	NA
MP	Vodafone	0.50	100.00%	NA	NA	NA	NA	0.28	0.00	0.00%	NA	NA	NA	NA	100.00%	100.00%	NA	NA
	Reliance	0.04	100.00%	100.00%	NA	NA	0	4	0.00	0.01%	NA	100.00%	100.00%	100.00%	95.00%	95.00%	100.00%	100.00%
	TTSL	2.00	99.00%	100.00%	NA	NA	NA	2	0.00%	0.10%	NA	100.00%	NA	100.00%	100.00%	92.00%	NA	NA
	Bharti	5.78	90.04%	100.00%	NA	NA	0	4.48	0.00	0.00%	NA	100.00%	100.00%	100.00%	100.00%	98.47%	100.00%	97.00%
	BSNL	4.00	90.00%	100.00%	85.00%	100.00%	772	3	0.00	0.01%	0.01%	99.00%	100.00%	100.00%	95.00%	85.00%	100.00%	100.00%
MUM	Vodafone	0.30	98.96%	100.00%	NA	NA	NA	3.33	0.00	0.00%	NA	NA	NA	NA	100.00%	100.00%	100.00%	NA
	Bharti	0.30	95.93%	100.00%	NA	NA	0	3.91	0.00	0.00%	NA	100.00%	100.00%	100.00%	100.00%	96.77%	100.00%	100.00%
	MTNL	4.04	93.27%	99.82%	NA	NA	24431	5.65	0.00	0.03%	NA	99.30%	100.00%	NA	96.38%	95.85%	99.54%	100.00%
	Reliance	0.02	100.00%	100.00%	NA	NA	0	4	0.00	0.00%	NA	100.00%	100.00%	100.00%	95.00%	95.00%	100.00%	100.00%
	TTSL	1.00	94.00%	100.00%	NA	NA	2	6	0.00%	0.10%	NA	100.00%	NA	100.00%	100.00%	88.00%	100.00%	NA

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NE	Vodafone	0.00	NA	NA	NA	NA	NA	0	0.00	0.00%	NA	NA	NA	NA	100.00%	100.00%	NA	NA
NE-I	BSNL	4.00	91.00%	100.00%	91.00%	100.00%	66	7	0.00	0.04%	0.00%	98.00%	100.00%	100.00%	92.00%	93.00%	100.00%	100.00%
NE-II	BSNL	3.00	97.00%	100.00%	99.00%	100.00%	181	5	0.00	0.01%	0.00%	100.00%	100.00%	100.00%	96.00%	91.00%	100.00%	100.00%
OR	Reliance	0.00	NA	NA	NA	NA	0	0	0.00	0.00%	NA	NA	NA	NA	95.00%	95.00%	100.00%	100.00%
	TTSL	0.00	100.00%	100.00%	NA	NA	NA	3	0.00%	0.00%	NA	100.00%	NA	100.00%	100.00%	NA	NA	NA
	BSNL	5.00	92.00%	100.00%	91.00%	100.00%	596	6	0.00	0.07%	0.00%	98.00%	100.00%	100.00%	99.00%	96.00%	100.00%	100.00%
	Vodafone	0.80	97.60%	100.00%	NA	NA	NA	3.09	0.00	0.00%	NA	NA	NA	NA	100.00%	100.00%	NA	NA
PB	Vodafone	0.50	90.00%	100.00%	NA	NA	NA	9.19	0.00	0.00%	NA	NA	NA	NA	100.00%	100.00%	NA	NA
	Reliance	0.03	100.00%	100.00%	NA	NA	0	4	0.00	0.00%	NA	100.00%	100.00%	100.00%	95.00%	95.00%	100.00%	100.00%
	TTSL	0.00	95.00%	100.00%	NA	NA	NA	3	0.00%	0.10%	NA	100.00%	NA	100.00%	100.00%	67.00%	NA	NA
	Bharti	3.27	90.33%	100.00%	NA	NA	0	4.42	0.00	0.00%	NA	100.00%	100.00%	100.00%	99.00%	98.80%	100.00%	100.00%
	Quadrant	2.61	96.82%	100.00%	100.00%	100.00%	13	6.16	0.00	0.00%	0.00%	100.00%	100.00%	100.00%	96.00%	95.00%	100.00%	100.00%
	BSNL	4.00	94.00%	100.00%	94.00%	100.00%	713	5	2.00	0.01%	0.00%	98.00%	100.00%	100.00%	59.00%	60.00%	100.00%	100.00%
RAJ	Reliance	0.05	100.00%	100.00%	NA	NA	0	4	0.00	0.02%	NA	100.00%	100.00%	100.00%	95.00%	95.00%	100.00%	100.00%
	TTSL	0.00	100.00%	100.00%	NA	NA	NA	12	0.00%	0.00%	NA	100.00%	NA	100.00%	100.00%	100.00%	NA	NA
	Vodafone	0.50	95.60%	100.00%	NA	NA	NA	3.42	0.00	0.00%	NA	NA	NA	NA	100.00%	100.00%	NA	NA
	Bharti	2.38	94.00%	100.00%	NA	NA	0	3.59	0.00	0.00%	NA	100.00%	100.00%	100.00%	100.00%	98.43%	100.00%	100.00%
	Sistema	1.36	95.46%	100.00%	96.35%	100.00%	0	6.68	0.00	0.02%	NA	100.00%	100.00%	100.00%	97.37%	97.88%	100.00%	100.00%
	BSNL	5.00	97.00%	100.00%	95.00%	100.00%	636	5	0.00	0.00%	0.00%	100.00%	100.00%	100.00%	93.00%	34.00%	100.00%	100.00%
	Reliance	0.05	100.00%	100.00%	NA	NA	0	4	0.00	0.01%	NA	100.00%	100.00%	100.00%	95.00%	95.00%	100.00%	100.00%
TN	TTSL	0.00	91.00%	100.00%	NA	NA	NA	5	0.00%	0.00%	NA	100.00%	NA	100.00%	100.00%	91.00%	100.00%	NA
	Vodafone	1.50	100.00%	NA	NA	NA	NA	2.28	0.00	0.00%	NA	NA	NA	NA	100.00%	100.00%	100.00%	NA
	Bharti	2.45	89.66%	100.00%	NA	NA	0	3.88	0.00	0.00%	NA	100.00%	100.00%	100.00%	98.00%	96.27%	100.00%	100.00%
	BSNL	3.00	96.00%	100.00%	91.00%	100.00%	2213	7	0.00	0.07%	0.00%	100.00%	100.00%	100.00%	97.00%	93.00%	100.00%	100.00%
	Reliance	0.02	100.00%	100.00%	NA	NA	0	4	0.00	0.01%	NA	100.00%	100.00%	100.00%	95.00%	95.00%	100.00%	100.00%
	TTSL	2.00	99.00%	100.00%	NA	NA	NA	2	0.00%	0.00%	NA	100.00%	NA	100.00%	100.00%	100.00%	NA	NA
UPE	Vodafone	0.50	100.00%	NA	NA	NA	NA	1.23	0.00	0.00%	NA	NA	NA	NA	100.00%	100.00%	NA	NA
	Bharti	5.44	88.65%	100.00%	NA	NA	0	4.85	1.00	0.00%	NA	100.00%	100.00%	100.00%	100.00%	98.99%	100.00%	100.00%
	BSNL	4.00	93.00%	100.00%	92.00%	100.00%	1045	6	2.00	0.09%	0.00%	100.00%	100.00%	100.00%	59.00%	21.00%	100.00%	100.00%
	Reliance	0.00	NA	NA	NA	NA	0	0	0.00	0.00%	NA	NA	NA	NA	95.00%	95.00%	100.00%	100.00%
	TTSL	0.00	100.00%	100.00%	NA	NA	NA	0	0.00%	0.00%	NA	100.00%	NA	100.00%	100.00%	100.00%	NA	NA
UPW	Vodafone	0.60	100.00%	NA	NA	NA	NA	2.42	0.00	0.00%	NA	NA	NA	NA	100.00%	100.00%	NA	NA
	Bharti	4.57	93.61%	100.00%	NA	NA	0	3.68	0.00	0.00%	NA	100.00%	100.00%	100.00%	100.00%	98.09%	100.00%	100.00%
	BSNL	5.00	96.00%	100.00%	96.00%	100.00%	621	5	0.00	0.07%	0.00%	100.00%	100.00%	100.00%	62.00%	73.00%	100.00%	100.00%
	Reliance	0.00	NA	NA	NA	NA	0	0	0.00	0.00%	NA	NA	NA	NA	95.00%	95.00%	100.00%	100.00%
Uttaranchal	BSNL	4.00	97.00%	100.00%	96.00%	100.00%	193	5	0.00	0.00%	0.00%	98.00%	100.00%	100.00%	96.00%	84.00%	100.00%	100.00%
WB	Reliance	0.00	NA	NA	NA	NA	0	0	0.00	0.00%	NA	NA	NA	NA	95.00%	95.00%	100.00%	100.00%
	BSNL	4.00	92.00%	100.00%	92.00%	100.00%	594	6	0.00	0.06%	0.00%	100.00%	100.00%	100.00%	99.00%	95.00%	100.00%	100.00%

Annexure 4.4: Quality of Service Performance of Broadband Service Providers

Performance Monitoring Report on Quality of Service of Service Providers providing broadband service (wireline) for Quarter Ending December, 2014

Sl. No.	Service Provider	Service area	Service Provisioning	Faults Repair		Billing Performance				Response Time to the Customer for assistance		Bandwidth utilisation/throughput				Service availability /uptime (for all users) in %age	Packet Loss	Network latency (for wired broadband access)		
			%age of connections provided within 15 days of registration of demand	% of faults repaired by next working day (>90%)	% of faults repaired within 3 working day	Rent Rebate	%age of bills disputed	%age of billing complaints resolved within 4 weeks	%age of cases to whom refund of deposits is made within 60 days of closures	%age of calls answered by operator (Voice to voice) within 60 sec	%age of calls answered by operator (Voice to voice) within 90 sec	No. of Intra network links having Bandwidth utilisation >90% during peak hours (TCBH)	No. of Upstream links for International connectivity having bandwidth utilisation >90% during peak hours	% International bandwidth utilization during peak hours (TCBH) (Enclose	Broadband Connection Speed available (download) from ISP node to user	Packet loss (for wired broadband access) in %age	User reference point at POP/ISP Gateway node to IGSP/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	
			100%	>90%	=>99%	in nos.	<2%	100%	100% within 60 days	>60%	>80%	0	0	<90%	>80%	>98%	<1%	<120 ms	<350 ms	<800 ms
1	BSNL	All India	100.00%	94.03%	99.61%	3450	0.08%	100.00%	100.00%	66.44%	71.68%	0	0	77.10%	0.00%	99.75%	0.40%	24	207	0
2	Bharti Airtel	Andhra Pradesh	100.00%	95.37%	100.00%	0	0.01%	100.00%	100.00%	93.10%	94.70%	0	0	44.44%	98.57%	100.00%	0.00%	48	46	NA
		Delhi	100.00%	90.82%	99.10%	757	0.01%	100.00%	100.00%	93.51%	95.43%	0	0	81.84%	100.00%	99.98%	0.03%	34	82	NA
		Gujarat	100.00%	92.46%	99.81%	6	0.01%	100.00%	100.00%	93.34%	96.34%	0	NA	NA	100.00%	100.00%	0.00%	29	62	NA
		Haryana	100.00%	92.86%	99.63%	5	0.03%	100.00%	100.00%	96.31%	97.50%	0	NA	NA	100.00%	100.00%	0.00%	32	56	NA
		Karnataka	100.00%	90.84%	100.00%	0	0.01%	100.00%	100.00%	93.70%	95.96%	0	0	68.29%	100.00%	100.00%	0.00%	27	38	NA
		Kerala	100.00%	95.30%	99.69%	3	0.01%	100.00%	100.00%	86.50%	88.55%	0	NA	NA	100.00%	100.00%	0.00%	49	33	NA
		Kolkata	100.00%	91.67%	99.08%	61	0.01%	100.00%	100.00%	94.56%	96.48%	0	0	67.14%	100.00%	100.00%	0.00%	23	72	NA
		M.P. & Chattisgarh	100.00%	92.87%	99.67%	60	0.01%	100.00%	100.00%	97.58%	98.90%	0	0	66.74%	100.00%	99.95%	0.00%	65	68	NA
		Maharashtra	100.00%	97.23%	99.96%	1	0.00%	100.00%	100.00%	94.16%	96.78%	0	NA	NA	100.00%	100.00%	0.03%	42	62	NA
		Mumbai	100.00%	97.46%	99.87%	7	0.00%	100.00%	100.00%	95.05%	97.24%	0	0	67.53%	100.00%	99.99%	0.05%	30	62	NA
		Punjab	100.00%	92.57%	99.46%	28	0.02%	100.00%	100.00%	95.18%	96.74%	0	0	57.90%	100.00%	100.00%	0.00%	41	85	NA
		Rajasthan	100.00%	95.78%	99.88%	2	0.01%	100.00%	100.00%	94.73%	96.30%	0	NA	NA	100.00%	100.00%	0.00%	36	56	NA
		Tamilnadu	100.00%	93.89%	99.97%	6	0.01%	100.00%	100.00%	89.76%	93.34%	0	0	57.52%	99.49%	99.99%	0.00%	23	33	NA
		Uttar Pradesh - East	100.00%	91.58%	99.42%	30	0.01%	100.00%	100.00%	93.84%	95.42%	0	0	85.60%	100.00%	99.99%	0.00%	34	88	NA
		Uttar Pradesh - West	100.00%	92.70%	99.49%	9	0.00%	100.00%	100.00%	94.46%	96.19%	0	NA	NA	100.00%	99.99%	0.00%	33	56	NA
3	MTNL	Delhi & Mumbai	99.94%	86.49%	96.04%	24317	0.032%	100.00%	100.00%	87.62%	91.14%	0	0	84.64%	89.00%	99.98%	0.54%	42	293	NA
4	Alliance Broadband	Kolkata	100.00%	90.00%	99.00%	0	0.91%	100.00%	Nil	77.00%	92.00%	0	0	76.00%	96.10%	98.00%	0.68%	111	320	771
5	Asianet Satellite	Kerala	100.00%	90.78%	99.30%	0	1.13%	100.00%	100.00%	60.60%	81.17%	0	0	64.43%	90.00%	99.70%	1.00%	50	270	NA
6	Atria Convergence	All India	100.00%	86.00%	98.00%	10315	0.50%	100.00%	Nil	79.00%	84.00%	0	0	87.00%	90.00%	98.00%	1.00%	50	300	0
7	Broadband Pacenet	All India	100.00%	91.13%	99.50%	267	1.00%	100.00%	Nil	81.50%	91.50%	0	0	79.61%	80.50%	99.00%	0.50%	79	290	0
8	Citycom Networks	All India	100.00%	91.71%	99.15%	504	0.30%	100.00%	100.00%	90.00%	92.00%	0	0	59.00%	93.23%	99.60%	1.00%	4	168	NA
9	DEN Networks Ltd.	All India	100.00%	95.12%	99.50%	1072	0.00%	Nil	Nil	75.00%	NA	0	0	83.36%	95.00%	100.00%	0.00%	32	268	NA
10	Digital Network	Maharashtra & Goa	100.00%	90.93%	99.52%	0	0.39%	100.00%	Nil	62.93%	83.58%	0	0	80.00%	80.00%	99.77%	1.00%	4	255	600
11	D-VoiS Broadband	All India	100.00%	97.59%	99.52%	0	0.67%	100.00%	NA	98.00%	100.00%	0	0	0.00%	90.00%	100.00%	0.10%	120	350	800
12	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
13	Gujarat Telelink	Gujarat	100.00%	94.00%	99.00%	65	0.15%	100.00%	NA	96.00%	99.00%	NA	0	86.00%	91.00%	99.00%	0.00%	11	300	NA

Annexure 4.4 (Contd.)

14	Hathway Cable & Datacom Ltd.	Andhra Pradesh	100.00%	97.00%	100.00%	36	1.57%	100.00%	100.00%	87.00%	93.00%	0	0	79.00%	90.00%	99.18%	1.00%	75	320	NA	
		Delhi	100.00%	97.00%	99.00%	165	1.59%	100.00%	100.00%	85.00%	95.00%	0	0	64.00%	85.00%	99.00%	1.00%	90	279	NA	
		Gujarat	100.00%	90.00%	99.00%	0	0.00%	NA	NA	68.00%	94.00%	0	0	78.00%	90.00%	100.00%	1.00%	80	270	NA	
		Karnataka	99.00%	88.00%	98.00%	599	1.86%	100.00%	100.00%	78.00%	84.00%	0	0	77.00%	90.00%	99.18%	1.00%	80	350	NA	
		Maharashtra	96.00%	91.00%	97.00%	2517	1.35%	100.00%	100.00%	88.00%	91.00%	0	0	77.00%	90.00%	99.00%	1.00%	50	280	NA	
		Punjab	100.00%	97.00%	99.00%	10	1.50%	100.00%	100.00%	69.00%	87.00%	0	0	83.00%	85.00%	99.00%	1.00%	95	310	NA	
		Goa	91.00%	94.00%	100.00%	0	0.00%	NA	NA	85.00%	95.00%	0	0	79.00%	90.00%	98.00%	1.00%	50	250	NA	
		Uttar Pradesh	100.00%	92.00%	99.00%	0	1.35%	100.00%	100.00%	DNF	DNF	0	NA	88.00%	85.00%	100.00%	1.00%	75	305	NA	
	Chhatisgarh	100.00%	96.00%	99.00%	0	1.03%	100.00%	100.00%	99.00%	99.00%	0	0	89.00%	85.00%	100.00%	1.00%	98	296	NA		
15	Home Systems	Mumbai	100.00%	95.00%	99.99%	NA	0.00%	100.00%	NA	68.00%	89.00%	0	1	91.00%	95.00%	99.00%	0.01%	50	295	NA	
16	Honesty Net Solutions (I) Pvt. Ltd.	Mumbai	100.00%	84.00%	95.63%	0	0.00%	100.00%	Nil	NA	NA	2497	NA	NA	89.00%	100.00%	0.00%	30	65.97	NA	
17	Indusind Media	All India	100.00%	97.00%	99.00%	17	0.00%	100.00%	100.00%	100.00%	100.00%	0	0	NR	80.00%	98.00%	1.00%	45	260	NA	
18	Meghbela Cable & Broadband Services	Kolkata & West Bengal	100.00%	99.90%	100.00%	0	0.00%	100.00%	100.00%	90.30%	100.00%	0	0	0.00%	100.00%	99.90%	0.00%	60	NR	NR	
19	Nextra Teleservices Pvt. Ltd.	Delhi	100.00%	95.00%	100.00%	230	1.00%	100.00%	100.00%	90.00%	93.00%	0	0	83.00%	100.00%	100.00%	1.00%	120	350	NA	
20	Noida Software (NSTPL)	All India	100.00%	100.00%	100.00%	Nil	NA	100.00%	100.00%	85.00%	100.00%	NA	NA	NA	98.00%	99.26%	1.00%	15	200	NA	
21	North East Dataa Network Pvt. Ltd.	Karnataka	100.00%	99.20%	99.99%	0	0.00%	100.00%	100.00%	99.50%	99.50%	0	0	90.00%	98.00%	99.00%	1.00%	100	300	0	
22	Ortel Communications	Andhra Pradesh	100.00%	72.00%	78.00%	0	0.00%	100.00%	100.00%	100.00%	100.00%	0	0	79.00%	93.00%	99.95%	0.00%	94	264	0	
		Kolkata	100.00%	92.50%	99.90%	0	0.00%	100.00%	100.00%	100.00%	100.00%	0	0	79.00%	92.00%	100.00%	0.00%	93	260	0	
		Madhya Pradesh	100.00%	92.45%	99.99%	0	0.00%	100.00%	100.00%	100.00%	100.00%	0	0	79.00%	93.00%	99.90%	0.00%	94	268	0	
		Orissa	100.00%	92.57%	99.99%	0	0.00%	100.00%	100.00%	100.00%	100.00%	0	0	78.00%	93.00%	99.90%	0.00%	96	238	0	
23	Quadrant	Punjab	100.00%	98.40%	99.90%	0	0.01%	100.00%	100.00%	75.67%	85.00%	0	0	72.00%	100.00%	99.96%	0.00%	80	280	NA	
24	Rajesh Multichannel	Mumbai	100.00%	97.00%	100.00%	0	0.00%	100.00%	100.00%	96.00%	87.00%	0	0	87.00%	85.00%	99.00%	0.01%	0	0	0	
25	Reliance Com. (RCL)	All India	100.00%	100.00%	100.00%	Nil	0.17%	100.00%	100.00%	94.58%	96.50%	0	0	52.70%	85.00%	99.53%	0.50%	16	17.33	0	
26	RK Infratel	Gujarat	100.00%	90.21%	99.25%	0	0.00%	100.00%	NA	99.97%	100.00%	0	0	89.19%	85.00%	99.64%	0.00%	120	350	NA	
27	Siti Cable	All India	100.00%	90.00%	100.00%	33	0.00%	100.00%	100.00%	64.00%	78.00%	0	0	76.60%	95.00%	98.96%	0.40%	56	280	NA	
28	Smartlink Broadband	Mumbai	100.00%	NA	NA	NA	NA	NA	NA	99.94%	100.00%	1	1	81.00%	99.55%	99.21%	1.00%	2	4	NA	
29	Southern (SOBTL)	Andhra Pradesh	100.00%	99.00%	100.00%	0	0.00%	100.00%	100.00%	90.00%	100.00%	0	0	78.00%	95.00%	99.00%	0.05%	100	300	500	
30	Syscon Infoway Pvt. Ltd.	Maharashtra	100.00%	99.00%	100.00%	Nil	0.00%	100.00%	NA	86.00%	88.67%	0	0	83.33%	99.00%	100.00%	1.00%	1	47	80	
		Mumbai	100.00%	100.00%	100.00%	Nil	0.00%	100.00%	NA	94.00%	100.00%	0	0	66.00%	99.00%	100.00%	0.00%	1	47	80	
31	Tata	All India	Nil	92.00%	97.00%	322	0.17%	100.00%	100.00%	90.00%	92.00%	0	0	41.64%	80.00%	98.75%	0.00%	DNF	253	NA	
32	Tata (TTML)	Maharashtra & Goa	100.00%	90.90%	97.60%	0	0.30%	100.00%	NA	80.00%	84.00%	0	0	79.00%	95.00%	99.00%	0.00%	68	201	0	
33	Tata (TTSL)	All India (Pan India)	100.00%	91.00%	98.00%	0	0.69%	100.00%	NA	88.69%	91.11%	0	0	72.00%	88.00%	99.53%	0.00%	51	71.5	0	
34	Vasai Cable	Mumbai	100.00%	93.73%	99.52%	0	0.11%	100.00%	Nil	79.79%	84.85%	0	0	63.00%	80.00%	94.71%	1.00%	4	255	NA	
		West Bengal	100.00%	96.30%	100.00%	0	0.05%	100.00%	NA	81.00%	97.67%	0	0	71.74%	100.00%	99.88%	1.00%	20	NA	NA	
35	Wish Net Pvt. Ltd.	Kolkata	100.00%	98.09%	100.00%	0	0.01%	100.00%	NA	81.00%	97.67%	0	0	73.57%	100.00%	99.88%	1.00%	40	NA	NA	
		All India	96.00%	91.00%	98.00%	4918	0.00%	100.00%	100.00%	96.00%	95.67%	NA	0	75.01%	87.26%	99.23%	0.00%	9	277	NA	
36	You Broadband	All India	100.00%	96.00%	91.00%	98.00%	4918	0.00%	100.00%	100.00%	96.00%	95.67%	NA	0	75.01%	87.26%	99.23%	0.00%	9	277	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 (for 10 years) by Ministry of Information & Broadcasting 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.	Inspire Infratech Pvt. Ltd 9/21/2012 - BP&L	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 24.3.2014
2.	CCN DEN Network Pvt. Ltd. 9/25/2012 - BP&L	CCN DEN Network Pvt. Ltd. C-1/9, Krishna Nagar, Delhi-110051	Phase I, II, & III	Permanent (for 10 years) registration issued on 29.05.14
3.	Aadhar Digital Vision Pvt. Ltd 9/56/2012-BP&L	Aadhar Digital Vision Pvt. Ltd 37/19, Ayalur Muthiah Street, Kondithope, Chennai- 79	in the State of Tamilnadu and UT of Pondicherry	Permanent (for 10 years) registration issued on 21.02.2014
4.	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.	Akshaya Diginet Cable Vision Pvt. Limited. 9/75/2012 - BP&L	Akshaya Diginet Cable Vision Pvt. Limited. B-20,Industrial Estate Mugappair East, Chennai-600037	In the State of Tamil Nadu Except Coimbatore	Permanent (for 10 years) registration issued on 29.05.2014
6.	Thamizhaga Cable TV Communication Pvt. Ltd., Chennai 9/81/2012 - BP&L	Thamizhaga Cable TV Communication Pvt. Ltd., Chennai 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.	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 & NCR	Permanent (For 10 years) registration given on 18.06.2014
9.	Microscan Entertainment Pvt. Ltd., Mumbai 9/85/2013 - 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 13.06.2014

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
10.	Chouksey Entertainments Ltd. 9/131/2012 - BP&L	Chouksey Entertainments Ltd Krishi Upaj Mandi, Plot No – 46, 47,48 JDA Scheme no. -5, Damoh Naka Jabalpur – 482002 (M.P.)	Jabalpur of Phase II and Phase III and Phase IV in the states of Bihar, Maharashtra, Chattisgarh, Odisha Madhya Pradesh, Rajasthan, Uttar Pradesh and Gujrat	Permanent (For 10 Years) registration issued on 30.05.2014
11.	UCN Cable Network Pvt. Ltd. 9/133/2012 - BP&L	UCN Cable Network Pvt. Ltd. 502, Milestone Building, Wardha Road, 12, Ramdaspath, Nagpur 440 010	Phase-I,4 Cities of Phase II viz Nagpur, Jabalpur, Indore & Bhopal and Phase III & IV Cities	Permanent (for 10 years) registration issued on 29.05.2014
12.	E-Infrastructure & Entertainment (India) Pvt. Ltd. 9/145/2012 - BP&L	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 Riddhi Digital Services 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 Gujrat, Maharashtra (excluding Solapur), Karnataka and Andhra Pradesh	Permanent (For 10 years)) registration issued on 30.05.2014
14.	All Digital Networks India Ltd. 9/13/2013 - BP&L	All Digital Networks India Ltd. N 2, LIC Row Houses, 24th Main, 1st Phase JP Nagar, Bangalore 560078	In the state of Karnataka except Mysore	Permanent (for 10 years) registration issued on 29.05.2014
15.	Digi Maharaja Cable Network Pvt. Ltd. 9/23/2013 - BP&L	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.	Mplex Networks Pvt. Ltd. 9/27/2013- BP&L	Mplex Networks Pvt. Ltd. Aerolex Centre- III Floor, 109 KH Road, Bangalore 560001	Bangalore City	Permanent (for 10 years) registration issued on 24.01.2014
17.	Zippy Tel Pvt. Ltd. 9/61/2013 - BP&L	Zippy Tel Pvt. Ltd. D - 177, Sector 10, Noida -201301 Uttar Pradesh	Ghaziabad & Goutam budh Nagar	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
18.	Sree Devi Digital Systems Pvt. Ltd. 9/72/2013 - BP&L	Sree Devi Digital Systems Pvt. Ltd. D. No : 39-6-16, Sagar Nivas, Muralinagar, Visakhapatnam-530007	Vishakhapatnam of Phase II and rest of Andhra Pradesh for Phase III and IV	Permanent (For 10 Years) registration issued on 06.02.2014
19.	Subam Digital Cable Services, 9/91/2012 - BP&L	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.	Asianet Satellite Communications Ltd. 9/28/2013 - BP&L	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.	Mansion Cable Network Pvt. Ltd. 9/65/2013 - BP&L	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.	Men Power Media Network 9/103/2012 - BP&L	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
23.	Sai Vision Cable Network 9/58/2013 - BP&L	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.	Sea TV Network Limited 9/40/2013 - BP&L	Sea TV Network Limited 148, Manas Nagar, Shahganj, Agra- 282010	In the state of Uttar Pradesh excluding Allahabad, Meerut, Ghaziabad, Kanpur, Lucknow, Varanasi	Permanent (for 10 years) registration issued on 29.05.2014
25.	Vinsat Digital Pvt. Ltd. 9/57/2013 - BP&L	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

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
26.	Digital Infotainment Pvt. Ltd. F. No.9/15/2013 - BP&L	Digital Infotainment Pvt. Ltd. Plot No.97, Marol Co-operative Industrial Estate, Makwana, Andheri (East), Mumbai-400 059 Maharashtra	In the State of Karnataka except Mysore	Permanent (for 10 years) registration issued on 30.05.2014
27.	Moon Network Pvt. Ltd. F. No.9/45/2013 - BP&L	Moon Network Pvt. Ltd. 1/47, Hotel East Lite, Delhi Gate, Near Raja Mandi Railway Station Agra 282002 U.P.	Agra, Firozabad, Tundla & Shikohabad	Permanent (for 10 years) registration issued on 23.01.2014
28.	Technobile Systems Network F. No.9/80/2013 - BP&L	Technobile Systems Network 421, Udyog Vihar, Phase-IV, Gurgaon-122015 Haryana	In the State of Uttar Pradesh, Bihar, Haryana, Rajasthan & Uttranchal (except Allahabad, Agra, 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.	Den New Broad Communication Pvt. Ltd. 9/32/2013 - BP&L	Den New Broad Communication Pvt.Ltd 3rd Floor P.P Chamber, near KDMC Bhagat Singh Path Dombivili (E) 421201	In the state of Maharashtra except Aurangabad, Nagpur, Nasik, Navi Mumbai, Pimpri Chinchwad, Pune, Sholapur & Thane	Permanent (For 10 Years) registration issued on 22.07.2014
30.	Home System Pvt Ltd. 9/19/2012 - BP&L	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
31.	Star Broadband Services (I) Pvt. Ltd. 9/29/2012 - BP&L	Star Broadband Services (I) Pvt. Ltd. 19/48, Malcha Marg, Commercial Complex, Chankyapuri, New Delhi-110021	National Capital Territory of Delhi	Permanent (For 10 Years w.e.f 30.09.2006) registration issued on 28.6.2012
32.	Den Adn Network Pvt. Ltd. 9/24/2012 - BP&L	Den Adn Network Pvt. Ltd. 11/15, 3rd floor, East Patel Nagar, New Delhi-110008	National Capital Territory of Delhi	Permanent (For 10 Years) registration issued on 8.7.2014

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
33.	Delhi Distribution Company 9/18/2012 - BP&L	Delhi Distribution Company Office No.2, 1st Floor, Local Shopping Centre, Uday Park, New Delhi-110049	National Capital Territory of Delhi	Permanent (For 10 Years) registration issued on 21.06.2012
34.	Satellite Channels Pvt. Ltd. 9/28/2012 - BP&L	Satellite Channels Pvt. Ltd. E-68, 3rd Floor, Lajpat Nagar-I, New Delhi-110024	National Capital Territory of Delhi and cities/towns/ areas occurring against-II,Phase-III, and Phase-IV	Permanent (For 10 Years) registration issued on 29.06.2012
35.	Kailash Cable Network Pvt. Ltd 9/43/2012 - BP&L	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 29.06.2012
36.	Indusind Media And Communication Limited 9/54/2012 - BP&L	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 29.06.2012
37.	Barasat Cable TV Network Pvt. Ltd. 9/61/2012 - BP&L	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 29.06.2012
38.	Scod 18 Networking Pvt. Ltd 9/52/2012 - BP&L	Scod 18 Networking Pvt. Ltd Plot No. 97, Marol Co-operative Industrial Estate, Makwana, Andheri (E) Mumbai- 400059	In the State of Maharashtra	Permanent (For 10 Years) registration issued on 29.06.2012
39.	Den Network. Ltd "Den" 9/46/2012 - BP&L	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

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
40.	Manthan Broadband Services Pvt. Ltd 9/53/2012 - BP&L	Manthan Broadband Services PVT. Ltd 6, Ganesh Chandra, Avenue IIIrd Floor, Kolkata-700013 (W.B)	Kolkata Metropolitan Area	Permanent (For 10 Years) Registration issued on 29.06.2012
41.	Advance Multisystem Broadband Communications Ltd 9/55/2012 - BP&L	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
42.	Indusind Media And Communication Limited 9/48/2012 - BP&L *second application for different areas	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 Govt.	Permanent (For 10 Years) Registration issued on 18.07.2012
43.	Indian Cable Net Company Limited 9/51/2012 - BP&L	Indian Cable Net Company Limited 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
44.	Live Satellite 9/64/2012 - BP&L	Live Satellite, Hari Om Chambers , 7th Floor, B-16, Veera Industrial Estate, Off link Road Andheri(W), Mumbai - 400054	Municipal Council of Greater Mumbai, National Capital Territory, Delhi, Kolkata & 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
45.	Hathway Cable & Datacom Limited, Mumbai. 9/68/2012 - BP&L	Hathway Cable & Datacom Limited, Trade Word Wing,10th Floor Kamala Mills Compound, S. B. Marg Lower Parel(W), Mumbai - 13	Phase I, Phase II, Phase III, Phase-IV	Permanent (For 10 Years) Registration issued on 30.07.2012
46.	JAK Communication Private Limited, Chennai. 9/77/2012 - BP&L	JAK Communication Private Limited, Chennai. J-4, 6th Avenue, Anna Nagar East, Chennai - 600102	Chennai	Permanent (For 10 Years w.e.f 5.8.2008) Registration issued on 8.8.12

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
47.	Kable First India Pvt. Ltd. 9/117/2012 - BP&L	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
48.	Darsh Digital Network Pvt. Ltd. 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
49.	Take one JK Media Pvt. Ltd. 9/11/2013 - BP&L	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
50.	Vinod Cable TV Network 9/18/2013 - BP&L	Vinod Cable TV Network MCF 5662, Gali No. 25, E Block, Sanjay Colony, Sector 23, Faridabad, Haryana	In the state of Haryana	Permanent (For 10 Years) Registration issued on 12.12.2013
51.	Hathway MCN Pvt. Ltd. 9/64/2013 - BP&L	Hathway MCN Pvt. Ltd. 310/311 Akshyadeep Plazatown Centre, CIDCO Jalna Road, Aurangabad	Aurangabad only	Permanent (For 10 years) Registration given on 12.12.2013
52.	Sri Rajaganapathi Cable Network 9/140/2013 - BP & L	Sri Rajaganapathi Cable Network 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
53.	Krystal Cable Network owned by Mr. Gawli Shailesh babulal 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 12.12.2013
54.	Venkateshwara Digital Home Entertainment Pvt. Ltd. 9/122/2012 - BP&L	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
55.	Madurai Krishna Network Pvt. Ltd 9/7/2013 - BP&L	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

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
56.	Poona Cables Systems & Services 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
57.	Chandni Cable Network Owned by Mr. Mohar Pal Dangar. 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
58.	Sri Venkata Nri Simha Digital Media Pvt. Ltd. 9/77/2013 - BP&L	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
59.	Sky Channel, 9/25/2013 - BP&L	Sky Channel, 11/9, CSM Janak Puri, New Delhi-110058	New Delhi	Permanent (for 10 years) Registration issued on 9.12.2013
60.	Uvaca Digital Systems Pvt. Ltd 9/108/2013 - BP&L	Uvaca Digital Systems Pvt. Ltd G-18, First Floor, Naraina Vihar, New Delhi 110028.	Patna	Permanent (For 10 Years) Registration issued on 01.11.2013
61.	International Digital Services, Mumbai 9/101/2012 - BP&L	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
62.	Star Vision Mr. Anand Kumar Mishra 9/76/2013 - BP&L	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
63.	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
64.	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

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
65.	Kable First Davangere Pvt. Ltd. 9/126/2012 - BP&L	Kable First Davangere Pvt. Ltd. M/s Kable First India 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
66.	HCV Digital Entertainment Pvt. Ltd. 9/120/2012 - BP&L	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
67.	Sahas Entertainments Pvt. Ltd. Hyderabad 9/130/2012 - BP&L	Sahas 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
68.	Digital Nucleus Network Communications Pvt. Ltd. 9/66/2013 - BP&L.	Digital Nucleus Network Communications Pvt. Ltd Room No. 665V, Ward 11, Chaithanya Building, Aluva Road Kalady po Eranakulam(dist) Kerala, 683574	In the state of Kerala	Permanent (For 10 Years) registration issued on 09.12.2013
69.	Lucknow 9 Cable Network Pvt. Ltd. 9/89/2013 - BP&L	Lucknow 9 Cable Network Pvt. Ltd. C 21/A, Mansarovar Garden, New Delhi 110015	Lucknow, Kanpur, Allahabad, Varanasi & Agra,	Permanent (for 10 years) registration issued on 17.12.2013
70.	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
71.	M/s Mandapeta Digital Entertainment Pvt. Ltd 9/123/2012- BP&L	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
72.	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 400054	Mumbai	Permanent (for 10 years) registration issued on 17.12.2013

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
73.	Nandini Vision Cable Network 9/74/2013 - BP&L	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
74.	Ashraf Brothers 9/82/2013 - BP&L	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
75.	Den Rajkot Communication Pvt.Ltd. 9/50/2013 - BP&L	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
76.	Home Cable Networks 9/98/2013 - BP&L	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 29.05.2014
77.	Kozhikode Cable Communication Limited 9/78/2013 - BP&L	Kozhikode Cable Communication Limited 18/208 C,2nd Floor Golden Chamber Building, kandamkulam Road,Tail, Chalappuram. Calicut , Kerala 673002	In the state of Kerala and Mahi (puducherry)	Permanent (for 10 years) registration issued on 29.05.2014
78.	S.Digital & Datacom Services 9/68/2013 - BP&L	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
79.	Surya Digital Broadcastings 9/116/2012 - BP&L	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
80.	AJK T.V 9/106/2012 - BP&L	AJK T.V No.28 Savaripadayachi Street Nellithope Puducherry	Puducherry,Villupuram distric and Cuddalore	Permanent (for 10 years) registration issued on 03.02.2014
81.	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

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
82.	Blue Sky Network 9/124/2013 - BP&L	Blue Sky Network 14, Subash Road,Abhishek Tower Dehradun-248001	District of Dehradun, Rishikesh, Haridwar, Pauri, Tehri & Chamoli districts of Uttarakhand and Sirmor Districts of Himachal Pradesh	Permanent up to 23.1.2024 registration issued on 14.08.2014
83.	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
84.	Digi Space Network Pvt. Ltd. 9/12/2013 - BP&L	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
85.	Faction Digital Private Limited 9/104/2012 - BP&L	Faction Digital Private Limited Sec. 8, Pocket-D- 12, Plot No 79, 3rd Floor, Gate No. 3, East Metro Station Rohini, New Delhi - 110 083	Notified Area of Delhi	Permanent (for 10 years) registration issued on 06.01.2013
86.	Rather Cable Network 9/130/2013- BP&L	Rather Cable Network Manigm Near Boys Higher Secondary School, Teh: LAR Distt: Ganderbal J & K - 191201	Districts Manigam Lar, Ganderbal in the state of Jammu & Kashmir	Permanent (For 10 Years) registration given on 18.07.2014
87.	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-4311121, Aurangabad	in the state of Maharashtra	Permanent (for 10 years) registration issued on 25.03.2014
88.	Pimpri Chinchwad Media Communications Pvt Ltd' 9/100/2013-BP&L	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
89.	Raja Rajeshwari Entertainment Pvt. Ltd. 9/43/2013 - BP&L	Raja Rajeshwari Entertainment pvt. Ltd. Trade Center , #29 / 4, 4trr Floor, Race Course Road, Bangalore-01	Notified areas of Nellore District	Permanent (for 10 years) registration issued on 28.03.2014

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
90.	Sri Sai Communicatrons 9/63/2013 - BP&L	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,War angal,Nalagonda, Karimnagar & Nizamabad	Permanent (For 10 Years) registration issued on 21.02.2014
91.	T.A. Digital Cable Network 9/115/2013- BP&L	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
92.	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 (for 10 years) registration issued on 23.01.2014
93.	Akash Tori Infocom Services 9/63/2013 - BP&L	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 06.06.2014
94.	Air Media Network Pvt. Ltd. 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 19.06.2014
95.	Nagai Television Network 9/91/2013 - BP&L	Nagai Television Network 48, Big Bazar Street, Nagapattinum, 611001	Nagapattinum and Thiruvavarur in the State of Tamil Nadu	Permanent (For 10 Years) registration given on 13.06.2014
96.	Kerala Communicators Cable Limited, Kerala 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 21.03.2014
97.	Digi Vishal Kanpur Network Pvt.Ltd 9/95/2013 -BP &L	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
98.	Studio 1 Television Network 9/116/2013–BP&L	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 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
99.	J.K Satellite 9/132/2013 - BP&L	J.K Satellite J K Building Near Distric Hospital Kulgam Jammu & Kashmir 192231	Districts of Kulgam, Anantang and Shopian in the state of Jamu & Kashmir	Permanent (For 10 Years) registration given on 08.07.2014
100.	Sagar E Technologies 9/70/2013- BP&L	Sagar E Technologies No.165.9th Cross, Near KNE Trust School Ground above Dental Care, Indira Nagar 1st stage , Banglore 560038	In the state of Karnataka, Tamil Nadu, Kerala, Maharashtra, Andhra Pradesh & Telangana Excluding Hyderabad	Permanent (For 10 Years) registration given on 08.07.2014
101.	ACT Digital Home Entertainment Pvt Ltd 9/137/2012 - BP&L	ACT Digital Home Entertainment Pvt Ltd Trade Center 4th Floor 29/4 Race Course Road Banglore -560001	Andhra Pradesh and Telangana	Permanent (For 10 Years) registration given on 10.07.2014
102.	Maharaja Telesystems Private Limited 9/37/2013 - BP&L	Maharaja Telesystems Privat Limited 1 Mohan Pehalwan Complex Bhuteshwar Tiraha Matura -281004 U.P.	Agra of Phase-II and Phase – I, III, IV on all India basic	Permanent (For 10 Years) registration given on 08.07.2014
103.	RVR Infrastructures Ltd 9/31/2012 BP&L	RVR Infrastructures Ltd 406 A Road No 18 , Jubilee Hills Hyderabad 500033	In the state of Telangana and Andhra Pradesh (excluding Visakhapatnam)	Permanent up to 22.7.2024 given registration issued on 22.08.2014
104.	Sri Sai Digital Communications 9/21/2014 – BP&L	Sri Sai Digital Communications D.No. 2/38/1 Fareedpeta Village, Etcherla Mandal Srikakulam District Andhra Pradesh 532 410	Srikakulam District In the State of Andhra Pradesh	Permanent (For 10 Years) registration given on 24.07.2014
105.	Paramount Digital Media services (P) Ltd. 9/143/2013 – BP&L	Paramount Digital Media services (P) Ltd. Corporate Office :G-366, Preet Vihar Delhi-110092	PAN INDIA	Permanent (For 10 Years) registration given on 24.07.2014
106.	Citi Cable Network 9/112/2013 BP&L	Citi Cable Network 6th Floor,F-1,J.S. Vas Arcade, Behaind Indus Bank, AbadeFariaaRoad, Margo- Goa- 406301	In the State of Goa	Permanent (For 10 Years) registration given on 25.07.2014
107.	Next Generation Cable Communication 9/8/2013 – BP&L	Next Generation Cable Communication 1345 Shivaji Nagar, Pune 41005	Pune District	Permanent (For 10 Years) registration given on 25.07.2014

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
108.	Canara Star Communications Private Limited 9/140/2012 – BP&L	Canara Star Communications Private Limited IInd Floor, Vamanashram Building G.H.S Cross Road Mangalore-575008	In the State of Karnataka except Mysore City	Permanent (For 10 Years) registration given on 25.07.2014
109	Sree Digital Home Entertainment Pvt. Ltd. 9/119/2012 – BP&L	Sree Digital Home Entertainment Pvt. Ltd. Indian Express Building No.I 2nd Floor , Queens Road Bangalore - 560001	East Godavari District In the state of Andhra Pradesh	Permanent (For 10 Years) registration given on 21.08.2014
110	Koduri Satyanarayana, Sri Sai Star T.V Services 9/117/2013 – BP&L	Koduri Satyanarayana, Sri Sai Star T.V Services 11-1-123,Club Road, Bhadrachalam – 507111 Khammam District, Telangana.	Khammam District of Telangana.	Permanent (For 10 Years) registration given on 3.09.2014
111.	Abhilash Communications 9/127/2013 – BP&L	Abhilash Communications H.No 4-5-51/1/1, Besides Childrens Home, Vidya Nagar, Adilabad - 504001	Notified Areas of Phase – II and Phase – III cities in PAN India.	Permanent (For 10 Years) registration given on 3.09.2014
112.	JPR Channel 9/69/2012 – BP&L	JPR Channel 204-205, Nirmal Co-op, Industrial Estate Limited, 2nd Floor Near Sion Fort Sion Mumbai	Mumbai (Phase – I) and Phase – II areas in the State of Maharashtra and Gujarat	Permanent (For 10 Years) registration given on 3.09.2014
113.	Operator digital Tamilnadu Pvt. Ltd. 9/137/2013 – BP&L	Operator digital Tamilnadu Pvt. Ltd. 1/506, B2, Palaniandavar Koli St, Neelambur P.O Coimbatore – 641 062	All the cities, towns & villages of Phase II, III & IV in Tamil Nadu.	Permanent (For 10 Years) registration given on 9.09.2014
114.	VK Digital Network 9/94/2012 – BP&L	VK Digital Network 3 A – 29, Willow Crest 6th Main Road, R. A.Puram Chennai – 28	Cities/Towns/Areas occurring against Phase I, Phase II, Phase III, Phase-IV.	Permanent (For 10 Years) registration given on 19.09.2014
115.	Saga Entertainment Network Pvt Ltd 9/70/2012 – BP&L	Saga Entertainment Network Pvt Ltd 2/187, 1st floor , 1st Main 4th Cross Gomathipuram, Madurai 625020	In the State of Tamil Nadu.	Permanent (For 10 Years) registration given on 22.09.2014
116.	Talacher TV Home Cable Network 9/129/2013 – BP&L	Talacher TV Home Cable Network, TTV Complex Khandual Lane, Lingaraj Road (Hatatota), Talcher – 759100 Dist- Angul (Odisha)	Angul District & Dhenkanal District Odisha	Permanent (For 10 Years) registration given on 22.09.2014

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
117.	Voice & Vision Club 9/1/214 – BP&L	Voice & Vision Club (Prop. Munish Kumar Singh). M/Q – 349, Jayant, Singrauli (M.P) – 486890	Phase III & IV of Madhya Pradesh & Sonebhadra Districts of Uttar Pradesh.	Permanent (For 10 Years) registration given on 19.09.2014
118.	Den Satellite Network Private 9/49/2012 – BP&L(part)	Den Satellite Network Private, 401/402 4th Floor, Sentinel Hiranandani Business park, Powai, Mumbai-76	In the State of Maharashtra.	Permanent (For 10 Years) registration given on 19.09.2014
119.	Venkata Sai Media Pvt Ltd 9/113/2012 – BP&L	Venkit Sai Media Pvt Ltd #8-2-502/1/A/B, Top Floor, Sowbhagya Adobe, Road No. 7 Banjara Hills, Hyderabad – 530017 Andhra Pradesh	District of Srikakulam, Vijayanagaram, Visakhapatanam, East Godavari, West Godavari, Krishna, Guntur, Prakasam and Nellore in the State of Andhra Pradesh and in the District of Greater Hyderabad, Rangareddy, Medak, Nizamabad, Mehaboob Nagar, Warangal, Sangareddy and Khammam in the State of Telangana.	Permanent (For 10 Years) registration given on 25.09.2014
120.	Crystal Transmission Private Limited. 9/84/2012 – BP&L	Crystal Transmission Private Limited No : 34, First Main Road New Colony Chromepet Chennai – 600044 Tamil Nadu	Chennai Metropolitan Area.	Permanent (For 10 Years) registration given on 25.09.2014
121.	Yerraguntla Cable Network Pvt. Ltd. 9/26/2014 – BP&L	Yerraguntla Cable Network Pvt. Ltd. H-9, ICL Colony Muddanur Road, Yerraguntla – 516309 Kadapa District, A. P.	Kadapa District Andhra Pradesh under Phase – III & IV.	Permanent (For 10 Years) registration given on 10.10.2014
122.	Royal Services Diginet Vision Pvt. Ltd. 9/20/2014 – BP&L	Royal Services Diginet Vision Pvt. Ltd, VPO – Tauni Devi, Tehasil – Bamson, Disst. Hamirpur (H.P) 177023	Hamirpur District, Mandi District and Kangra District of Himachal Pradesh.	Permanent (For 10 Years) registration given on 10.10.2014

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
123.	Silverline Entertainment 9/16/2013 – BP&L	Silverline Entertainment 302, 3rd floor NPA Arcade 23 M.G Marg, Civil Lines. Allahabad – 211001 Uttar Pradesh	In the State of Uttar Pradesh except Agra, Ghaziabad, Kanpur, Lucknow, Meerut and Varanasi.	Permanent (For 10 Years) registration given on 15.10.2014
124.	Hathway New Concept Cable & Datacom Pvt. Ltd. 9/93/2012 – BP&L	Hathway New Concept Cable & Datacom Pvt. Ltd., “Rehejas” 4th Floor, Corner of Main Road Avenue & V.P Road, Santacruz (w), Mumbai – 400054	Delhi	Permanent (For 10 Years) registration given on 20.10.2014
125.	ACN Digital Pvt. Ltd. 9/13/2014 – BP&L	ACN Digital Pvt. Ltd. 509, Shagun Building, Vijay Nagar Square, A.B Road, Indore – 452010 (M.P)	In the State of Madhya Pradesh, Rajasthan and Maharashtra under Phase- III & IV.	Permanent (For 10 Years) registration given on 20.10.2014
126.	Vortex Digital Network Pvt.Ltd. 9/33/2014 – BP&L	Vortex Digital Network Pvt.Ltd. WZ – 300 GL – 10, 2nd Floor Jail Road, New Delhi - 110064	Delhi	Permanent (For 10 Years) registration given on 28.10.2014
127.	Sanghvi Digital Network 9/142/2013 – BP&L	Sanghvi Digital Network GA – 23, 1st Floor , City Center, Sector -4, B.S. City, Bokaro – 827004. Jharkhand	Bokaro District in the State of Jharkhand.	Permanent (For 10 Years) registration given on 28.10.2014
128.	Skynet Digital Services Pvt. Ltd 9/5/2013-BP&L	Skynet Digital Services Pvt. Ltd 403, 4th Floor NPA Arcade 23 M.G . Marg Civil Lines, Allahabad – 211001(U.P	In the State of Uttar Pradesh, except the cities of Agra, Ghaziabad, Kanpur, Lucknow, Meerut and Varanasi.	Permanent (For 10 Years) registration given on 07.11.2014
129.	Karuvai Communication LLP 9/53/2013-BP&L	Karuvai Communication LLP No. 224, Anbu Nagar, 2nd Cross, Rayanoor, Thoranakalpatty, Karur – 6390003. TN	DAS notified areas in the State of Tamil Nadu.	Permanent (For 10 Years) registration given on 27.11.2014
130	Ajanta Cable Network 9/18/2014 – BP&L	Ajanta Cable Network Plot No, 40-1575, Near Swastik Talkies, Station Road Vaijapur – 423701 Aurangabad	DAS notified area of Phase – III in Vaijapur, Aurangabad in Maharashtra State.	Permanent (For 10 Years) registration given on 19.12.2014

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
131.	New Prime Network 9/87/2014 – BP&L	New Prime Network 11 – E Rohini Plaza, Rajpur road, Dehradun 248001 Uttarakhand	DAS notified in Dehradun, Haridwar, Tehri Garhwal, Pauri Garhwal, Rudrapraya g, Chamoli Garhwal, Uttarkashi Districts in the state of Uttarakhand.	Permanent (For 10 Years) registration given on 23.12.2014
132.	Jai Mata Di Cable Network 9/6/2/2014 – BP &L	Jai Mata Di Cable Network, Ward – 8, Near Vishwakarma Mandir, Kanina, Dist:- Mahendergarh Haryana – 123027	DAS notified areas in Mehendergarh, Rewari, Bhiwani & Jhajjar District of Haryana and Alwar & Jhunjhnu District of Rajasthan.	Permanent (For 10 Years) registration given on 15.12.2014
133.	Onsky Technology Pvt. Ltd 9/55/2014 – BP&L	Onsky Technology Pvt Ltd No. 4, 7th Cross Brindavan, Pondicherry – 605 013.	PAN India	Permanent (For 10 Years) registration given on 03.12.2014
134.	Space Television Network Pvt. Ltd 9/58/2014 – BP&L	Space Television Network Pvt. Ltd, Bungalow No.4, HUC Guest House, Mohapada, Rasayani, Tal. Khalapur. Dist, Raigadh, Maharashtra	DAS notified area in Municipal Council of Greater Mumbai in Phase – I and Rest of Maharashtra in Phase - III	Permanent (For 10 Years) registration given on 15.12.2014
135.	Haldwani Digital Services Pvt. Ltd. 9/14/2014 – BP&L	Haldwani Digital Services Pvt. Ltd. IInd Floor, Savitri City, Centre Jail Road Chauraha, Kaladhungi Road, Haldwani – 263139	In the State of Uttarakhand	Permanent (For 10 Years) registration given on 12.12.2014
136.	V. R. Cable 9/147/2013 – BP&L	V. R. Cable No. 6, Mannaraja Koil Street, Tisaiyanvillai - 627657	In the cities of Kanyakumari, Tuticorin & Chennai in Tamil Nadu State	Permanent (For 10 Years) registration given on 12.12.2014
137	Satellite Cable Communication 9/22/2014 – BP&L	Satellite Cable Communication Lonar Gali, At P.O. Manchar, Taluka : Ambegaon, Dist– Pune – 410503 (Maharashtra).	Phase – II, III, & IV areas in Pune District and Nasik District	Permanent (For 10 Years) registration given on 12.12.2014
138.	R.D Cable Network 9/47/2014 – BP&L	R.D Cable Network H. No. 230 Ward No. 10, Devabag Canacona South Goa	DAS notified area in Canacona, Quepem, Sanguem and Salcette in the state of Goa	Permanent (For 10 Years) registration given on 29.12.2014

Annexure 5.2: List of Pay Channels as reported to TRAI

Sl. No.	Name of the broadcaster	Sl. No	Name of the channel
1	M/s 9X Media Private Limited	1	9X
		2	9X Jalwa
		3	9X Jhakaas
		4	9XM
		5	9XO
2	M/s AETN 18 Media Pvt Ltd	6	The History Channel
3	M/s Asianet Communications Limited	7	Asianet
		8	Asianet Plus
		9	Suvarna
4	M/s Azalia Broadcast Private Ltd	10	Big Thrill (Earlier name Big RTL Thrill")
5	M/s B4U Television Network India Limited	11	B4U Movies
6	M/s Bangla Entertainment Pvt Ltd	12	AATH
7	M/s BBC Global News India Private Limited	13	BBC World News
8	M/s Bennett, Coleman & Company Limited	14	Zoom
		15	Romedy Now
		16	Movies Now + (Earlier name "Romedy Now +")
9	M/s Business Broadcast News Private Limited	17	Bloomberg TV India
10	M/s Celebrities Management Pvt Limited	18	Travel XP HD (Earlier name "Travel XP")
11	M/s Dakshin Media Gaming Solutions Pvt Ltd	19	Ten Cricket (earlier name "Play TV")
12	M/s Discovery Communications India	20	Animal Planet
		21	Discovery Channel
		22	Discovery Channel – Tamil
		23	Discovery Kids Channel
		24	Discovery Science
		25	Discovery Turbo
		26	ID Investigation Discovery
		27	Discovery HD World (earlier name "Discovery HD")
		28	Animal Planet HD World (earlier name "Discovery Home and Health")
		29	TLC HD world (earlier name "Military Channel")
		30	TLC

Annexure 5.2 (contd.)

Sl. No.	Name of the broadcaster	Sl. No	Name of the channel
13	E-24 Glamour Limited	31	E 24
14	M/s Eenadu Televisoin Private Limited	32	ETV Telugu
		33	ETV Andhra Pradesh (earlier name "ETV-2")
		34	ETV- Telangana (earlier name "ETV-3")
15	M/s EPIC Television Networks Pvt Limited	35	EPIC TV
16	M/s Fox Channels (India) Private Limited	36	Nat Geo Wild
		37	Nat Geo People (Earlier name "Nat Geo Adventure")
		38	National Geographic HD
		39	Nat Geo Music (HD Distribution)
		40	Nat Geo Wild HD
		41	Nat Geo People HD (Earlier name "Nat Geo Adventure HD")
		42	Baby TV (HD Distribution)
17	M/s Genx Entertainment Limited	43	UTV Bindass
		44	UTV Action
18	M/s IBN Lokmat News Private Ltd	45	IBN Lokmat
19	M/s MAA Television Network Limited	46	MAA Gold (Earlier name "MAA Junior")
		47	MAA Movies (Earlier name "MAA Pooja")
		48	MAA Music
		49	MAA TV
20	M/s Mavis Satcom Limited	50	J Movies
		51	Jaya Max
		52	Jaya Plus
		53	Jaya TV
21	M/s Media Content and Communications Services India Private Limited	54	ABP Ananda
		55	ABP Majha
22	M/s MGM Programming Services India Pvt Ltd	56	The MGM
23	M/s Multi Screen Media Private Limited	57	Animax
		58	AXN
		59	SET MAX
		60	MIX
		61	SAB
		62	SONY ENTERTAINMENT CHANNEL (SET)

Annexure 5.2 (contd.)

Sl. No.	Name of the broadcaster	Sl. No	Name of the channel
		63	PIX
		64	SIX
		65	MAX 2 (Earlier name "MAX HD")
		66	PAL (Earlier Name "SAB HD")
		67	SET HD
		68	SIX HD
		69	PIX HD
24	M/s NDTV Life style Limited	70	NDTV Good Times
25	M/s Neo Sports Broadcast Pvt Limited	71	NEO Prime (Earlier name "Neo Cricket")
		72	Neo Sports
26	M/s New Delhi Television Limited	73	NDTV 24*7
		74	NDTV India
		75	NDTV Profit
27	M/s NGC Network (India) Pvt Limited	76	Fox Life (earlier name "Fox Traveller")
		77	National Geographic Channel (NGC)
		78	Fox Life HD (Earlier name "Fox Traveller HD")
28	M/s Odisha Television Limited	79	Prarthana
		80	Tarang
		81	Tarang Music
		82	Alankar
29	M/s Panorama Television Private Limited	83	ETV Bihar Jharkhand
		84	ETV MP Chattisgarh
		85	ETV Rajasthan
		86	ETV Uttar Pradesh Uttarachal
		87	ETV Urdu
		88	ETV News Kannada
		89	ETV News Bangla
		90	ETV Haryana / Himanchal Pradesh
		91	ETV News Gujarati
30	M/s Paul Entertainments Pvt Ltd	92	9X Tashan (Earlier name "Purvaiya")
31	M/s Prism Television Private Limited	93	ETV Bangla
		94	ETV Gujarati
		95	ETV Kannada
		96	ETV Marathi
		97	ETV Oriya
32	M/s Raj Television Network Limited	98	Raj Musix Kannada
		99	Raj Digital Plus

Annexure 5.2 (contd.)

Sl. No.	Name of the broadcaster	Sl. No	Name of the channel
		100	Raj Musix
		101	Raj News
		102	Raj TV
		103	Vissa TV
33	M/s Reliance BIG Broadcasting Pvt Limited	104	BIG MAGIC
		105	Big Magic Ganga (Earliar name "Big Magic Bihar")
34	M/s Sahara India Commercial Corporation Ltd	106	Sahara Filmy
		107	Sahara One
35	M/s Sarthak Entertainment Pvt Limited	108	Sarthak TV
36	M/s Silverstar Communications Limited	109	Mega 24
		110	Mega Musiq
		111	Mega TV
37	M/s Star India Private Limited	112	Channel (V)
		113	Star Sports 4 (Earlier name of "ESPN")
		114	FOX CRIME
		115	FX
		116	Life Ok (earlier name "Star One")
		117	Movies OK (earlier name "Gold Action")
		118	Star Sports 3 (Earlier name of "Star Cricket")
		119	Star Gold
		120	Star Jalsha
		121	Star Movies
		122	Star Movies Action
		123	Star Plus
		124	Star Pravah
		125	Star Sports 1(Earlier name"Star Sports")
		126	Star Sports 2
		127	Star World
		128	Jalsha Movies (Earlier name "Star Bengali")
		129	Star Sports HD 2 (Earlier name of "ESPN HD")
		130	Star Sports HD 1 (Earlier name of "Star Cricket HD")
		131	Life Ok HD
		132	Star Gold HD

Annexure 5.2 (contd.)

Sl. No.	Name of the broadcaster	Sl. No	Name of the channel
		133	Star Movies HD
		134	Star Plus HD
		135	Star World Prmiere HD
		136	Star World HD
38	M/s SUN TV Network Limited	137	Adithya TV
		138	Chintu TV
		139	Chutti TV
		140	Gemini Comedy
		141	Gemini Life
		142	Gemini Movies
		143	Gemini Music
		144	Gemini News
		145	Gemini TV
		146	K TV
		147	Kiran TV
		148	Kushi TV
		149	SUN Life
		150	Sun Music
		151	Sun News
		152	Surya Music (Earlier name "Sun News English")
		153	SUN TV
		154	SUN TV RI
		155	Surya TV
		156	Udaya Comedy
		157	Udaya Movies
		158	Udaya Music
		159	Udaya News
		160	Udaya TV
		161	Kochu TV
		162	Sun TV HD
		163	KTV HD
		164	Sun Music HD
		165	Gemini TV HD
		166	Sun Action
		167	Gemini Action
		168	Surya Action
		169	Suriyan Tv

Annexure 5.2 (contd.)

Sl. No.	Name of the broadcaster	Sl. No	Name of the channel
39	M/s Taj Television India Private Limited	170	Ten Action
		171	Ten Sports
		172	Ten Golf
		173	Ten HD
40	M/s Times Global Broadcasting Company Ltd	174	ET NOW
		175	Times Now
41	M/s Turmeric Vision Pvt Ltd	176	Food Food TV
42	M/s Turner International India Pvt Ltd	177	Cartoon Network
		178	CNN International
		179	HBO
		180	POGO
		181	Toonami (Earlier name "Boomerang")
		182	WB
		183	HBO Hits HD
		184	HBO Defined HD
43	M/s TV 18 Broadcast Limited	185	CNN-IBN
		186	IBN 7
		187	CNBC Bazaar
		188	CNBC TV 18 Prime HD
		189	CNBC Awaaz
		190	CNBC TV 18
44	M/s TV Today Network Limited	191	Aaj Tak
		192	Delhi Aaj Tak
		193	Headlines Today
		194	Aaj Tak Tez
45	M/s United Home Entertainment Pvt Limited	195	Hungama TV
46	M/s UTV Entertainment Television Limited	196	Disney Junior (Earlier name "UTV Comedy")
		197	UTV Movies
		198	UTV World Movies
		199	Bindass Play (Earlier name "UTV Stars")
47	M/s Viacom 18 Media Private Limited	200	Colors
		201	Comedy Central
		202	MTV
		203	NICK
		204	Nick Jr / Teen Nick
		205	SONIC
		206	VH 1
		207	Colors HD
208	MTV Indies		
48	M/s Vijay Television Pvt Limited	209	Vijay TV

Annexure 5.2 (contd.)

Sl. No.	Name of the broadcaster	Sl. No	Name of the channel
49	M/s Zee Akaash News Pvt Ltd	210	24 Ghanta
50	M/s Zee Entertainment Enterprises Limited	211	Zee ETC Bollywood (Earlier name "Zee Bollywood")
		212	Action Cinema
		213	Zee Bangla Cinema
		214	Zee Café
		215	Zee Cinema
		216	Classic Cinema
		217	Premiere Cinema
		218	Zee Salaam
		219	Zee Smile
		220	Zee Studio
		221	Zee Talkies
		222	Zee TV
		223	Zing
		224	Zindagi
		225	& Picture
		226	Zee Q
		227	Zee Khana Khazana
		228	Zee TV HD
		229	Zee Cinema HD
		230	Zee Studio HD
51	M/s Zee Media Corporation Limited	231	Zee Bangla
		232	Zee Marathi
		233	& Pictures HD
		234	Zee 24 Taas
		235	Zee Kalinga (Earlier name "Zee 24 Ghantalu)
		236	Zee Business
		237	Zee Kannada
		238	Zee News
		239	Zee Punjab Haryana Himachal (Earlier name "Zee Punjabi")
		240	Zee Telugu
		241	Zee Madhya Pradesh Chattisgarh
		242	Zee Marudhara (Earlier name "Zee Rajasthan Plus")
52	M/s Zoom Entertainment Network Limited	243	Movies Now
53	M/s The Walt Disney Company (India) Pvt Limited	244	Disney XD (Earlier name "Toon Disney")
		245	The Disney Channel

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	BHUBANESHWAR/ 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 OPERATIONALISATION
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 OPERATIONA-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 pay DTH Operators

- 1. M/s. Tata Sky Ltd.,**
3rd Floor, C-1, Wadia International Centre (Bombay Dyeing)
Pandurang Budhkar Marg, Worli,
Mumbai – 400 025
Tel: 022-6613 3000
Fax-022-6613 3030
Website : www.tatasky.com

- 2. M/s Dish TV India Ltd.**
FC-19, Sector-16A, Film City,
Noida-201301
Tel: 91-120-2467005 / 2467000
Fax: 91-120-4357082
Website : www.dishtv.in

- 3. SUN Direct TV(P) Ltd.**
Murasoli Maran Towers, 73, MRC Nagar,
Main Road, MRC Nagar, Chennai – 28
PH: 044-44676767, Fax No 044-40679191
Website : www.sundirect.in

- 4. Bharti Telemedia Ltd.**
Airtel Centre, Plot No 16,
Udyog Vihar Phase IV, ,
Gurgaon – 122 015
Ph: 0124-4222222
Fax : 0124-4248063
Website : www.airtel.in

- 5. Reliance Big TV Pvt. Ltd.**
3rd Floor, A-Wing,
Reliance Centre, Maharaja Ranjit Singh Marg,
New Delhi – 110 002
Ph: 011-30331012
Fax : 011-30331781
Website : www.rcom.co.in

- 6. M/s Videocon d2h Limited
(Formerly Bharat Business Channel Limited)**
Plot No 1D, Udyog Vihar Industrial Area,
Surajpur, Greater NOIDA,
Distt, Gautam Budh Nagar - 201 306
Ph: 0120-6141000
Fax : 0120-6141250
Website : www.vedeocond2h.com

Annexure 5.5: List of permitted teleports as downloaded from the website of Ministry of Information & Broadcasting

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

Annexure 5.5 (Contd.)

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

Annexure 5.5 (Contd.)

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

Annexure 5.5 (Contd.)

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

Annexure 5.5 (Contd.)

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

Source: Ministry of Information & Broadcasting

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