



Telecom Regulatory Authority of India

The Indian Telecom Services Performance Indicators January - March, 2015

New Delhi, India
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Snapshot

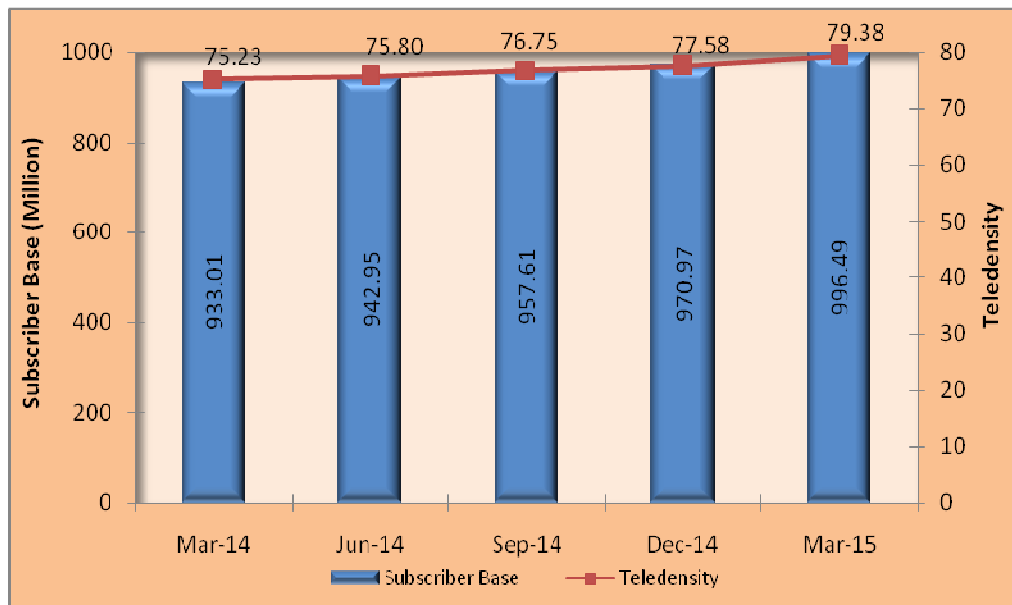
(Data As on 31st March, 2015)	
Telecom Subscribers (Wireless + Wireline)	
Total Subscribers	996.49 Million
% change over the previous quarter	2.63%
Urban Subscribers	577.18 Million
Rural Subscribers	419.31 Million
Market share of Private Operators	89.89%
Market share of PSU Operators	10.11%
Teledensity	79.38
Urban Teledensity	148.61
Rural Teledensity	48.37
Wireless Subscribers	
Total Wireless Subscribers	969.89 Million
% change over the previous quarter	2.75%
Urban Subscribers	555.71 Million
Rural Subscribers	414.18 Million
GSM Subscribers	917.73 Million
CDMA Subscribers	52.16 Million
Market share of Private Operators	91.68%
Market share of PSU Operators	8.32%
Tele-density	77.27
Urban Tele-density	143.08
Rural Tele-density	47.78
Wireline Subscribers	
Total Wireline Subscribers	26.59 Million
% change over the previous quarter	-1.50%
Urban Subscribers	21.47 Million
Rural Subscribers	5.12 Million
Market share of Private Operators	24.93%
Market share of PSU Operators	75.07%
Tele-density	2.12
Urban Tele-density	5.53
Rural Tele-density	0.59
No. of Village Public Telephones (VPT)	5,85,981
No. of Public Call Office (PCO)	7,36,855

Internet/Broadband Subscribers	
Total Internet Subscribers	302.35 Million
Narrowband subscribers	203.15 Million
Broadband subscribers	99.20 Million
Wired Internet Subscribers	19.07 Million
Wireless Internet Subscribers	283.29 Million
Urban Internet Subscribers	190.60 Million
Rural Internet Subscribers	111.76 Million
Total Internet Subscribers per 100 population	24.09
Urban Internet Subscribers per 100 population	49.07
Rural Internet Subscribers per 100 population	12.89
Broadcasting & Cable Services	
No. of private satellite TV channels registered with Ministry of I&B	829
Number of private FM Radio Stations	243
Registered DTH Subscribers	76.05 Million
Active DTH Subscribers	41.15 Million
Telecom Financial Data (QE Mar-15)	
Gross Revenue(GR) during the quarter	₹ 65227 Crore
% change in GR over the previous quarter	1.99%
Adjusted Gross Revenue (AGR) during the quarter	₹ 45158 Crore
% change in AGR over the previous quarter	3.60%
Share of Public sector undertaking's in Access AGR	10.88%
Monthly Average Revenue Per User (ARPU) for Access Services	₹ 122
Revenue & Usage Parameters (QE Mar-15)	
Monthly ARPU GSM Full Mobility Service	₹ 120
Monthly ARPU CDMA Full Mobility Service	₹ 108
Minutes of Usage (MOU) per subscriber per month GSM Full Mobility Service	383 Minutes
Minutes of Usage (MOU) per subscriber per month CDMA Full Mobility Service	265 Minutes
Total Outgoing Minutes of Usage for Internet Telephony	245 Million
Data Usage of Mobile Users (for the QE Mar-15)	
Data Usage per subscriber per month - GSM	89.06 MB
Data Usage per subscriber per month - CDMA	278.22 MB
Data Usage per subscriber per month – Total(GSM+CDMA)	99.46 MB

Executive Summary

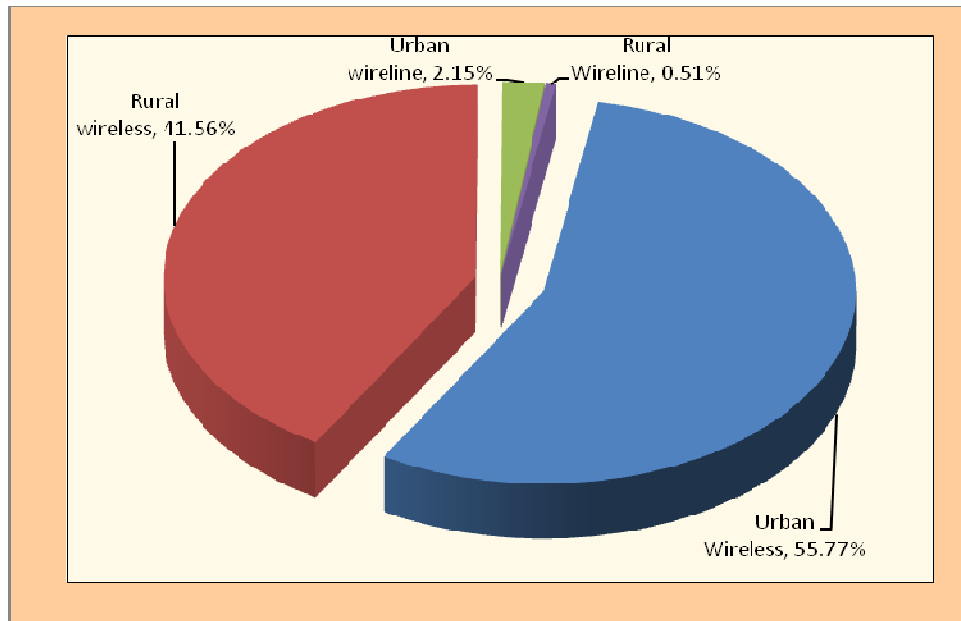
1. The number of telephone subscribers in India increased from 970.97 million at the end of Dec-14 to 996.49 million at the end of Mar-15, registering a growth of 2.63% over the previous quarter. This reflects year-on-year (Y-O-Y) growth of 6.80% over the same quarter of last year. The overall Tele-density in India increased from 77.58 as on 31st December, 2014 to 79.38 as on 31st March, 2015.

Trends in Telephone subscribers and Teledensity in India



2. Subscription in Urban Areas increased from 572.29 million at the end of Dec-14 to 577.18 million at the end of Mar-15, and Urban Tele-density increased from 148.06 to 148.61. Rural subscription increased from 398.68 million to 419.31 million, and Rural Tele-density also increased from 46.09 to 48.37 during the same period.
3. Out of the total subscription, the share of the Rural areas increased from 41.06% at the end of Dec-14 to 42.08% at the end of Mar-15.

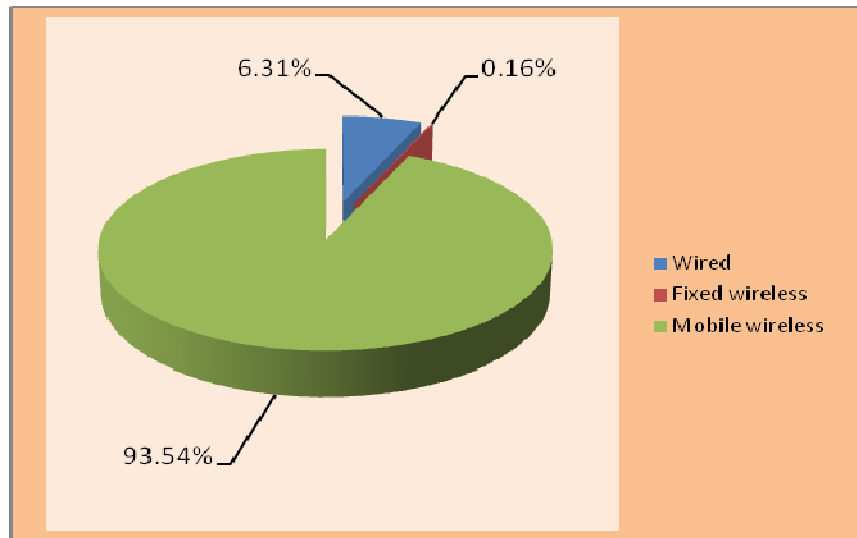
Composition of Telephone Subscribers



4. With a net addition of 25.92 million subscribers during the quarter, total wireless (GSM+CDMA) subscriber base increased from 943.97 million at the end of Dec-14 to 969.89 million at the end of Mar-15, registering a growth rate of 2.75% over the previous quarter. The year-on-year (Y-O-Y) growth rate of wireless subscribers for Mar-15 is 7.23%.
5. Wireless Tele-density increased from 75.43 at the end of Dec-14 to 77.27 at the end of Mar-15.
6. Wireline subscriber base further declined from 27.00 million at the end of Dec-14 to 26.59 million at the end of Mar-15, registering a decline of 1.50%. The year-on-year (Y-O-Y) decline in wireline subscribers for Mar-15 is 6.68%.
7. Wireline Tele-density declined from 2.16 at the end of Dec-14 to 2.12 at the end of Mar-15.

8. Total number of Internet subscribers have increased from 267.39 million at the end of Dec-14 to 302.35 million at the end of Mar-15, registering a quarterly growth rate of 13.08%. Out of 302.35 million, Wired Internet subscribers are 19.07 million and Wireless Internet subscribers are 283.29 million.

Composition of internet subscription

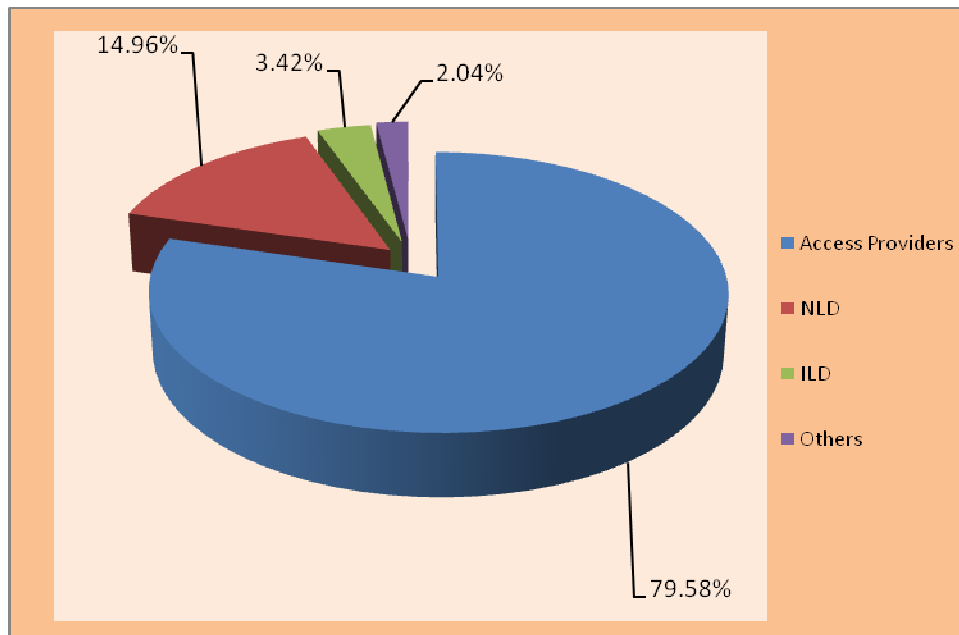


9. Number of Broadband Internet subscribers increased from 85.74 million at the end of Dec-14 to 99.20 million at the end of Mar-15 showing quarterly growth rate of 15.71%.
10. The number of Narrowband Internet subscribers increased from 181.65 million at the end of Dec-14 to 203.15 million at the end of Mar-15 with quarterly growth rate of 11.83%.
11. Monthly Average Revenue Per User (ARPU) for GSM service increased by 1.65%, from ₹118 in QE Dec-14 to ₹120 in QE Mar-15, whereas Y-O-Y increased by 6.14%.
12. Prepaid ARPU for GSM service per month increased from ₹103 in QE Dec-14 to ₹105 in QE Mar-15, and Postpaid ARPU per month increased from ₹466 in QE Dec-14 to ₹467 in QE Mar-15.

13. On an all India average, the overall MOU per subscriber per month for GSM service increased by 1.65% from 376 for QE Dec-14 to 383 in QE Mar-15.
14. Prepaid MOU per subscriber for GSM service increased from 352 in QE Dec-14 to 358 in QE Dec-14, whereas postpaid MOUs decreased from 933 in QE Dec-14 to 923 in QE Mar-15.
15. Monthly ARPU for CDMA full mobility service decreased by 0.37%, from ₹109 in QE Dec-14 to ₹108 in QE Mar-15. However, ARPU for CDMA full mobility service increased by 3.07% on Y-O-Y basis in this quarter.
16. The total MOU for CDMA per subscriber per month increased by 1.21%, from 262 in QE Dec-14 to 265 QE Mar-15. The outgoing MOUs increased from 139 in QE Dec-14 to 144 in QE Mar-15, whereas incoming MOUs decreased from 123 in QE Dec-14 to 121 in QE Mar-15.
17. Gross Revenue (GR) and Adjusted Gross Revenue (AGR) of Telecom Service Sector for the QE Mar-15 has been ₹65227 Crore and ₹45158 Crore respectively. GR and AGR increased by 1.99% and 3.60% 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 7.43% and 10.10% respectively.
19. Pass-through charges accounted for 30.77% of the GR for the quarter ending Mar-15. The quarterly and the year-on-year (Y-O-Y) growth rates of pass-through charges for QE Mar-15 are -1.45% and 1.87% respectively.

20. The License Fee increased from Rs.3489 Crore for the QE Dec-14 to Rs.3617 Crore for the QE Mar-15. The quarterly and the year-on-year (Y-O-Y) growth rates of license fee are 3.67% and 10.09% respectively in this quarter.
21. Access services contributed 79.58% of the total Adjusted Gross Revenue of telecom services. In Access services, Gross Revenue (GR), Adjusted Gross Revenue(AGR), License Fee and Spectrum Usage Charges(SUC) increased by 1.97%, 4.04%, 4.06% and 0.85% respectively and Pass Through Charges declined by 3.21% in QE Mar-15.
22. Monthly Average Revenue per User (ARPU) for Access Services based on AGR increased from ₹119.48 in QE Dec-14 to ₹121.81 in QE Mar-15.

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 the previous quarter is given as below:

Parameters showing improvement in QoS	Parameters showing deterioration in QoS
<ul style="list-style-type: none"> • BTSs Accumulated downtime (not available for service) • Worst affected BTSs due to downtime • Traffic Channel (TCH) Congestion • Call Drop Rate • Worst affected cells having more than 3% TCH drop (call drop) rate • Connection with good voice quality • Point of Interconnection (POI) Congestion (No. of POIs not meeting 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) • Resolution of billing/ charging/ validity complaints (100% within 6 weeks) • Accessibility of call centre/ customer care • %age of calls answered by the operators (voice to voice) within 90 sec 	<ul style="list-style-type: none"> • Call Set-up Success Rate (within licensee’s own network) • Standalone Dedicated Control Channel (SDCCH)/ Paging Channel Congestion • Period of applying credit/waiver/ adjustment to customer’s account from the date of resolution of complaints • %age requests for Termination/ Closure of service complied within 7 days • Time taken for refund of deposits after closures.

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

Parameters showing improvement in QoS	Parameters showing deterioration in QoS
<ul style="list-style-type: none"> • BTSs and Node-B's accumulated downtime (not available for service) (%age) • Standalone Dedicated Control Channel (SDCCH)/ Paging Channel and RRC Congestion (%age) • Traffic Channel (TCH) and Circuit Switched RAB Congestion (%age) 	<ul style="list-style-type: none"> • Call Set-up Success Rate (within licensee's own network) • Connections with good voice quality and Circuit Switch Voice Quality (CSV quality)

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

Parameters showing improvement in QoS	Parameters showing deterioration in QoS
<ul style="list-style-type: none"> • % Fault repaired by next working day for urban areas • % Fault repaired by 5 days (for urban areas) • Mean Time to Repair (MTTR) • Point of Interconnection (POI) Congestion (No. of POIs not meeting benchmark) • Accessibility of call centre/ customer care • %age of calls answered by the operators (voice to voice) within 90 sec • Termination/ Closure of service • Time taken for refund of deposits after closures • Metering & billing credibility - Postpaid 	<ul style="list-style-type: none"> • Fault incidences per 100 subscriber/ month • Resolution of billing/ charging/ credit & validity complaints (98% within 4 weeks & 100% within 6 weeks)

26. A total of 829 private satellite TV channels have been permitted by the Ministry of Information and Broadcasting (MIB) for uplinking only/downlinking/uplinking, as on 31.03.2015. There were a total of 245 Pay channels as reported by the broadcasters as on 31.01.2015. During the quarter ending March 2015, six new pay channels i.e (i) & TV, (ii) & TV HD, (iii) Star Sports HD 3 (iv) Star Sports HD 4 (v) Asianet Movie & (vi) Suvarna Plus, were launched by the broadcasters / its distributors. Now, there are 251 pay TV channels at the end of Mar-15.
27. In areas served by non-addressable systems, the maximum number of TV channels carried in digital form, as reported by a cable operator (M/s Hathway Cable & Datacom Limited), amongst those who have reported, is 393. The maximum number of TV channels carried in analog form, as reported by a cable operator (M/s Ortel Communications Ltd), amongst those who have reported, is 100.
28. The digitization, with addressability of cable TV sector is in progress, in a phased manner. It is planned to be completed in four phases. The cut-off date for migration to “Digital Addressable Cable TV Systems” for the first phase, covering four metropolitan cities, was 31.10.2012 and for second phase, covering 38 cities having population more than 1 million, was 30.03.2013. The cut-off date for third phase was 30.09.2014 and for the fourth and final phase was 31.12.2014. However, the cut-off date for third phase & fourth phase was further extended up to 31.12.2015 & 31.12.2016 respectively.
29. As on 31.03.2015, there are a total of 155 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.

30. Apart from the Radio Stations operated by All India Radio, Prasar Bharati – a public broadcaster, there are 243 operational private FM Radio stations as on 31st March, 2015. The information therein is as received from MIB.
31. At present, apart from the free DTH service of Doordarshan Prasar Bharati, a public broadcaster, 6 private DTH Operators are offering pay DTH services to the subscribers.
32. 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 76.05 million & 41.15, million respectively as on 31st March 2015.
33. As per data received from MIB, as on 31st March, 2015, out of the 208 community radio licenses issued so far, 180 stations are operational.

Trends at a Glance

A. Access Service (Wireline + Wireless)

	QE Mar 2014	QE Jun 2014	QE Sep 2014	QE Dec 2014	QE Mar 2015	%age change over Mar- 2014	%age change over Jun- 2014	%age change over Sep- 2014	%age change over Dec- 2014
						(12 months)	(9 months)	(6 months)	(3 months)
1) Subscriber Base (in million)									
Wireline	28.50	28.03	27.41	27.00	26.59	-6.68%	-5.11%	-2.96%	-1.50%
Wireless	904.51	914.92	930.20	943.97	969.89	7.23%	6.01%	4.27%	2.75%
Total	933.01	942.95	957.61	970.97	996.49	6.80%	5.68%	4.06%	2.63%
Rural	377.73	383.18	388.05	398.68	419.31	11.01%	9.43%	8.05%	5.17%
Urban	555.28	559.77	569.56	572.29	577.18	3.94%	3.11%	1.34%	0.85%
2) Teledensity									
Wireline	2.30	2.25	2.20	2.16	2.12	-7.76%	-5.96%	-3.54%	-1.80%
Wireless	72.94	73.55	74.55	75.43	77.27	5.94%	5.05%	3.64%	2.44%
Total	75.23	75.80	76.75	77.58	79.38	5.52%	4.72%	3.43%	2.32%
Rural	43.96	44.50	44.96	46.09	48.37	10.03%	8.71%	7.58%	4.94%
Urban	145.78	146.24	148.07	148.06	148.61	1.94%	1.62%	0.36%	0.37%
3) Service Provider wise Subscribers Base (in Million)									
Bharti	208.75	212.60	214.92	220.60	229.43	9.91%	7.92%	6.75%	4.00%
Vodafone	166.62	169.96	173.92	178.75	183.88	10.36%	8.19%	5.73%	2.87%
Idea	135.79	139.01	143.56	150.54	157.81	16.22%	13.52%	9.92%	4.83%
Reliance	112.13	110.06	111.32	107.48	110.65	-1.32%	0.54%	-0.59%	2.95%
BSNL	113.14	107.50	104.09	98.32	93.64	-17.24%	-12.90%	-10.04%	-4.76%
Aircel	70.15	73.07	75.85	78.67	81.40	16.03%	11.39%	7.31%	3.46%
Tata	64.55	64.44	65.84	67.78	67.99	5.33%	5.51%	3.26%	0.31%
Telewings	35.61	39.31	41.82	43.63	45.62	28.12%	16.04%	9.09%	4.55%
Sistema	9.09	9.21	9.19	9.04	8.92	-1.88%	-3.13%	-2.88%	-1.26%
Videocon	4.99	5.55	5.94	6.45	7.13	43.04%	28.53%	20.06%	10.56%
MTNL	6.91	6.90	6.93	6.97	7.06	2.15%	2.44%	1.96%	1.31%
Quadrant	2.39	2.50	2.66	2.74	2.96	23.71%	18.43%	11.27%	8.09%
Loop	2.90	2.84	1.58	-	-	-	-	-	-
Total	933.01	942.95	957.61	970.97	996.49	6.80%	5.68%	4.06%	2.63%

B. Internet Services

	QE Mar 2014	QE Jun 2014	QE Sep 2014	QE Dec 2014	QE Mar 2015	%age change over Mar-2014 (12 months)	%age change over Jun-2014 (9 months)	%age change over Sep-2014 (6 months)	%age change over Dec-2014 (3 months)
	1) Subscriber's Base (in million)								
A. Wired Internet Subscribers	18.50	18.55	18.70	18.86	19.07	3.09%	2.82%	1.99%	1.09%
B. Wireless Internet Subscribers	233.09	240.60	235.70	248.53	283.29	21.53%	17.74%	20.19%	13.99%
i. Mobile Wireless (Mobile & Dongle)	232.66	240.14	235.24	248.06	282.81	21.56%	17.77%	20.22%	14.01%
ii. Fixed Wireless (Wi-Fi, Wi-Max, Point-to-Point Radio & VSAT)	0.44	0.46	0.46	0.46	0.48	8.56%	3.14%	3.77%	2.72%
Total Internet Subscribers	251.59	259.14	254.40	267.39	302.35	20.18%	16.67%	18.85%	13.08%
2) No. of Internet Subs per 100 Population	20.29	20.83	20.39	21.37	24.09	18.73%	15.62%	18.14%	12.74%

C. Usage and Revenue for Full Mobility Services

1. Traffic (MOU) (minutes of use/subscriber/month)									
i) GSM	389	390	376	376	383	-1.55%	-1.96%	1.72%	1.64%
ii) CDMA	272	283	267	262	265	-2.37%	-6.27%	-0.72%	1.21%
2) ARPU (Rs./sub/ month)									
i) GSM	113.44	118.94	115.72	118.44	120.41	6.14%	1.24%	4.06%	1.67%
ii) CDMA	104.98	111.51	110.25	108.61	108.21	3.07%	-2.96%	-1.85%	-0.37%

D. Telecom Financial Data

	QE Mar 2014	QE Jun 2014	QE Sep 2014	QE Dec 2014	QE Mar 2015	%age change over Mar-2014 (12 months)	%age change over Jun-2014 (9 months)	%age change over Sep-2014 (6 months)	%age change over Dec-2014 (3 months)
	1. Telecom Sector								
i) Gross Revenue (Rs. in Crores)	60716.21	62919.19	62446.66	63954.67	65226.73	7.43%	3.67%	4.45%	1.99%
ii) Adjusted Gross Revenue (Rs. in Crores)	41016.13	43851.85	43229.38	43590.57	45157.78	10.10%	2.98%	4.46%	3.60%
2. Access Services									
Adjusted Gross Revenue (Rs. in Crores)	31922.39	34416.53	33669.47	34541.96	35938.26	12.58%	4.42%	6.74%	4.04%
ARPU per month (AGR/ Average subscribers/3)	115.28	122.39	118.20	119.48	121.81	5.67%	-0.47%	3.06%	1.96%

Introduction

This Report presents the Key Parameters and growth trends for the Telecom Services in India for the quarter ending March, 2015. 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: advfea1@traigov.in.

Chapter 1 :

Subscription Data

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

Section A : Access Service - An Overview

- 1.1 The number of telephone subscribers in India increased from 970.97 million at the end of Dec-14 to 996.49 million at the end of Mar-15, registering a growth of 2.63% over the previous quarter. This reflects year-on-year (Y-O-Y) growth of 6.80% over the same quarter of last year. The overall Tele-density in India increased to 79.38 at the end of Mar-15 from 77.58 at the end of the previous quarter.

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

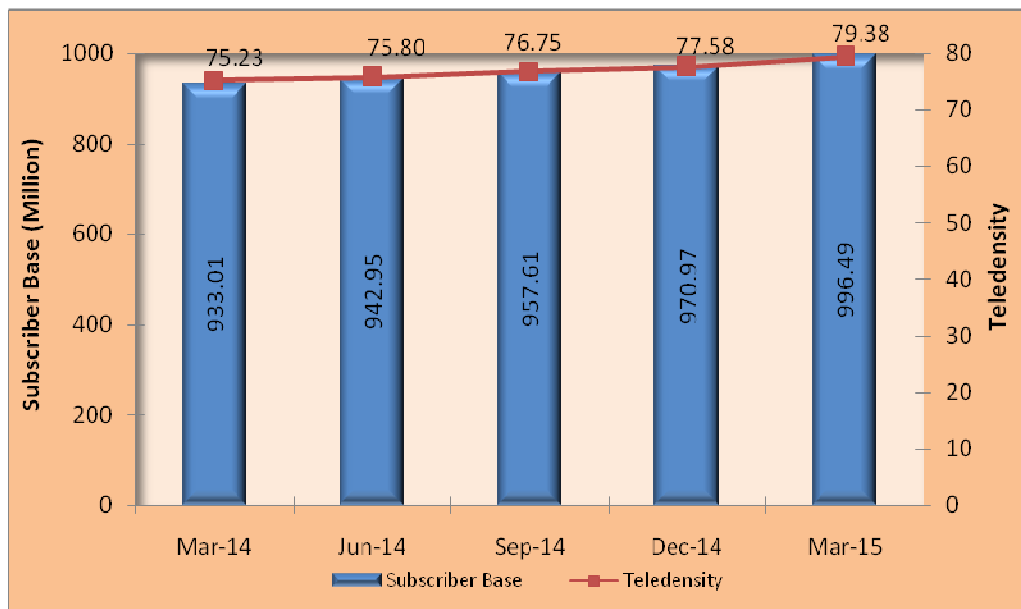
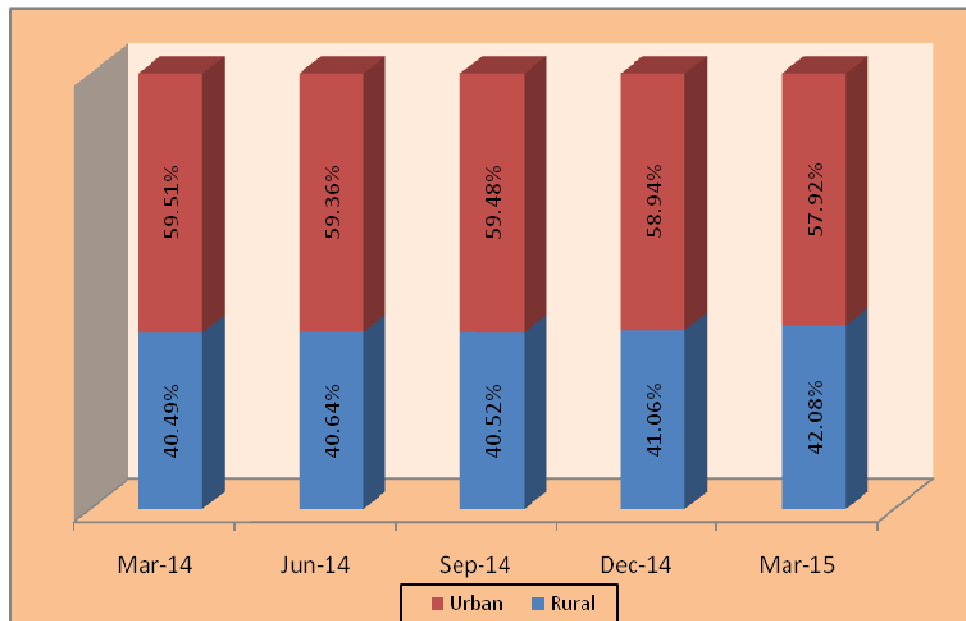


Table 1.1: Subscriber Base & Tele-density - Rural & Urban

Quarter ending	Subscriber Base (million)		Tele-density	
	Rural	Urban	Rural	Urban
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
Mar-15	419.31	577.18	48.37	148.61

- 1.2 Subscription in Urban Areas increased from 572.29 million at the end of Dec-14 to 577.18 million at the end of Mar-15, and the Urban Tele-density increased from 148.06 to 148.61 during the quarter.
- 1.3 Rural subscription increased from 398.68 million to 419.31 million and the Rural Tele-density increased from 46.09 to 48.37 during the quarter.
- 1.4 The year-on-year (Y-O-Y) growth rate of Rural and Urban Tele-density from Mar-14 to Mar-15 is 10.03% and 1.94% respectively.

Chart 1.2: Market Share - Rural & Urban



- 1.5 Share of rural areas in total subscription has increased from 41.06% at the end of Dec-14 to 42.08% at the end of Mar-15. The year-on-year (Y-O-Y) growth of the market share in the rural areas for Mar-15 is 3.93%.

Chart 1.3: Composition of Access subscription - Wireline & Wireless

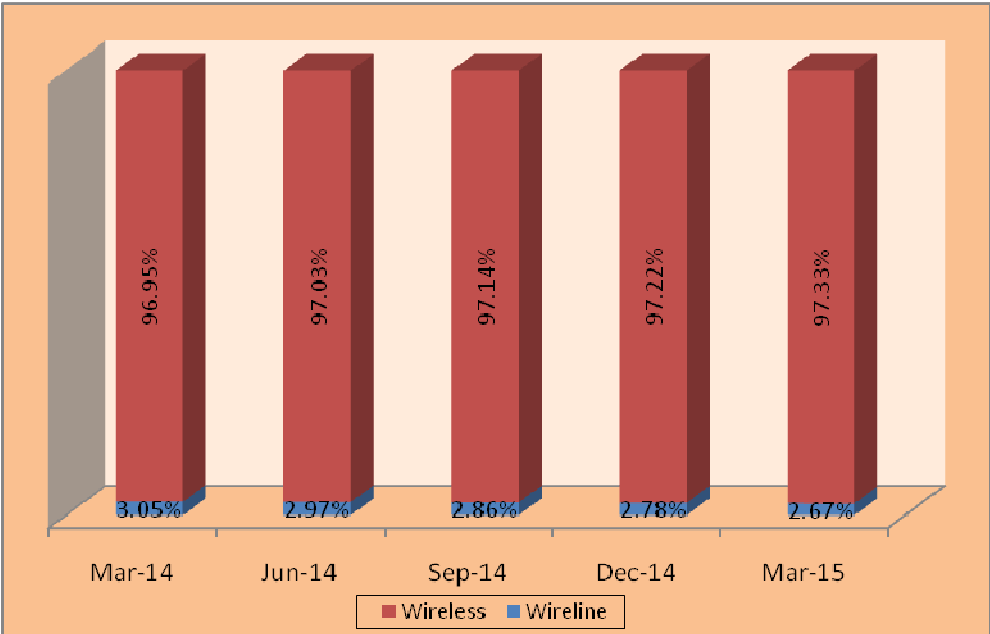


Chart 1.4: Composition of Rural-Urban Telephone Subscribers at the end of the quarter

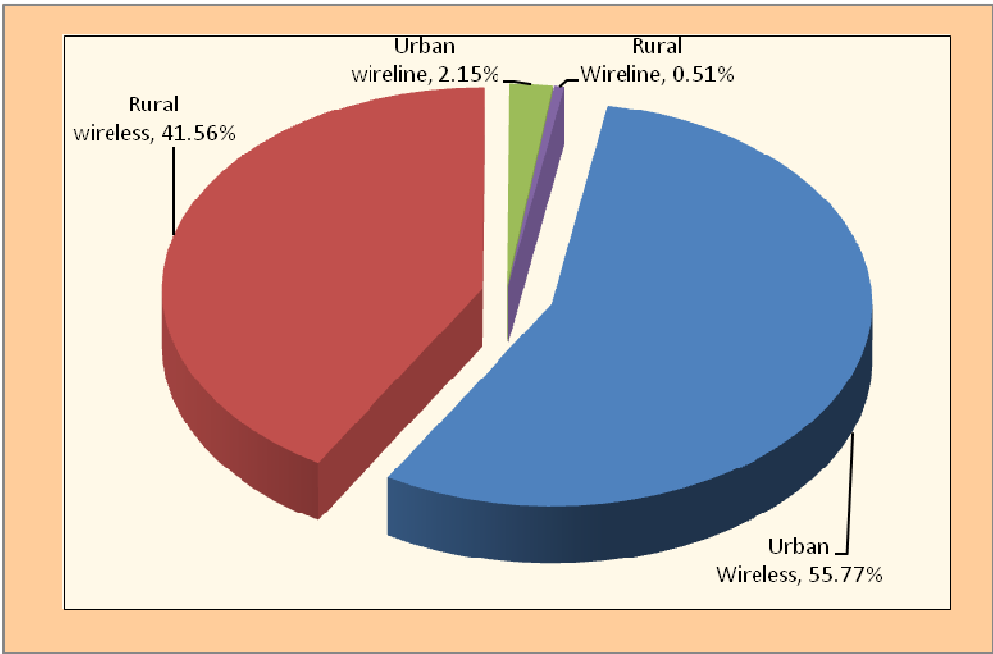


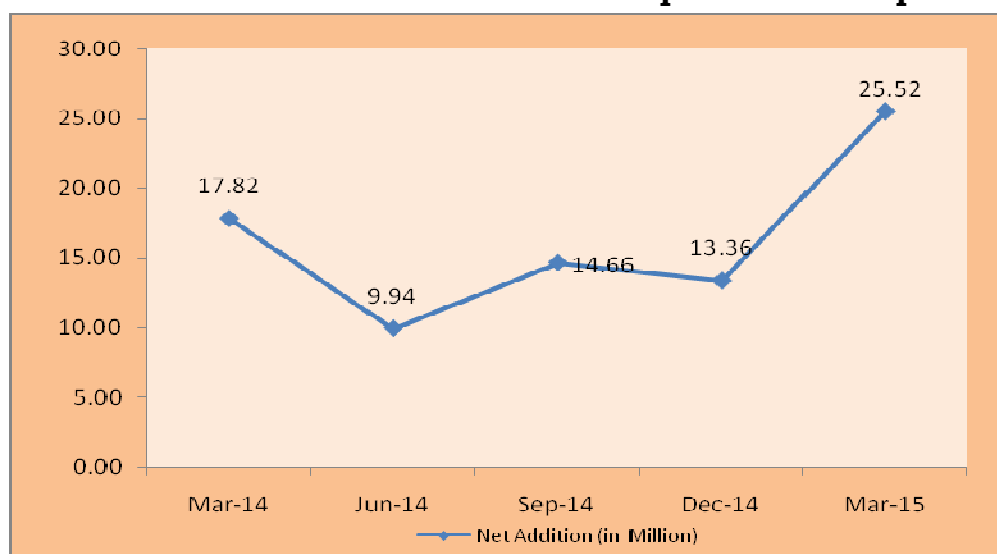
Table 1.2: Service Area wise Access (Wireless+Wireline) Subscriber base

Service Area	Subscribers (million)			
	Dec-14	Mar-15	Net Additions	Rate of Growth(%)
Andhra Pradesh	72.47	73.82	1.34	1.85
Assam	16.61	17.32	0.71	4.25
Bihar	65.49	69.63	4.14	6.31
Delhi	48.48	49.32	0.84	1.73
Gujarat	58.36	60.12	1.75	3.00
Haryana	22.18	22.41	0.23	1.05
Himachal Pradesh	7.85	8.06	0.21	2.67
Jammu & Kashmir	9.04	9.46	0.43	4.70
Karnataka	59.45	60.31	0.87	1.46
Kerala	33.82	33.99	0.18	0.53
Madhya Pradesh	59.98	61.83	1.85	3.08
Maharashtra	77.02	79.06	2.03	2.64
Mumbai	33.09	33.71	0.62	1.86
North East	10.39	10.52	0.13	1.21
Orissa	27.45	28.19	0.73	2.68
Punjab	32.07	31.75	-0.32	-1.01
Rajasthan	53.98	56.03	2.04	3.79
T.N. (incl. Chennai)	82.56	83.08	0.52	0.63
U.P.(E)	80.66	83.91	3.25	4.03
U.P.(W)	51.05	52.51	1.46	2.86
Kolkata	22.98	23.56	0.59	2.55
West Bengal	45.97	47.91	1.94	4.21
All India	970.97	996.49	25.52	2.63

1.6 During the quarter, Bihar Circle has recorded the highest growth rate of 6.31% followed by J&K Circle (4.70%). Punjab Circle recorded decline in subscriber base during the quarter ending Mar-15.

Table 1.3: Service Area wise Rural-Urban Subscribers – Mar-15

Service Area	Subscribers (million)			
	Total	Rural	Urban	% of Rural Subs
Andhra Pradesh	73.82	31.02	42.80	42.02
Assam	17.32	10.58	6.74	61.10
Bihar	69.63	38.89	30.74	55.85
Delhi	49.32	2.22	47.09	4.51
Gujarat	60.12	22.72	37.40	37.79
Haryana	22.41	10.40	12.01	46.40
Himachal Pradesh	8.06	5.28	2.78	65.52
Jammu & Kashmir	9.46	4.97	4.49	52.52
Karnataka	60.31	18.64	41.68	30.90
Kerala	33.99	17.83	16.16	52.46
Madhya Pradesh	61.83	27.46	34.36	44.42
Maharashtra	79.06	37.63	41.43	47.59
Mumbai	33.71	0.68	33.03	2.01
North East	10.52	5.21	5.30	49.58
Orissa	28.19	15.46	12.73	54.85
Punjab	31.75	12.47	19.28	39.29
Rajasthan	56.03	29.28	26.75	52.26
T.N. (incl. Chennai)	83.08	24.05	59.02	28.95
U.P.(E)	83.91	45.89	38.03	54.68
U.P.(W)	52.51	24.98	27.52	47.58
Kolkata	23.56	1.66	21.91	7.04
West Bengal	47.91	31.98	15.92	66.76
All India	996.49	419.31	577.18	42.08

Chart 1.5: Trend of Net Addition in Telephone Subscription

1.7 The net addition in telephone subscribers is 25.52 million in QE Mar-15 as against the net addition of 13.36 million in QE Dec-14.

Table 1.4 : Service Area wise Teledensity

Service Area	As on 31 st December, 2014			As on 31 st March, 2015		
	Rural Teledensity	Urban Teledensity	Total Teledensity	Rural Teledensity	Urban Teledensity	Total Teledensity
Andhra Pradesh	48.25	172.12	82.78	49.04	174.94	84.15
Assam	37.41	129.05	51.90	39.18	132.25	53.95
Bihar	30.43	160.15	48.28	33.14	164.13	51.17
Delhi	-	-	235.57	-	-	237.94
Gujarat	58.41	142.00	93.11	61.86	143.01	95.61
Haryana	58.68	124.61	82.11	59.62	124.23	82.66
H.P.	82.14	338.50	111.78	84.88	340.57	114.52
J&K	51.71	131.23	73.67	55.85	132.02	76.93
Karnataka	47.30	174.86	96.35	49.02	174.88	97.52
Kerala	66.87	178.55	95.21	67.18	179.09	95.57
Madhya Pradesh	34.77	123.02	58.77	36.85	123.16	60.36
Maharashtra*	59.86	125.84	91.49	61.07	128.37	93.41
Mumbai*						
North East	49.14	154.94	75.48	50.32	153.95	76.18
Orissa	42.78	171.17	65.24	44.46	172.11	66.85
Punjab	70.67	150.42	105.13	71.96	145.38	103.78
Rajasthan	50.56	152.71	75.18	53.55	153.93	77.76
T.N. (incl Chennai)	80.08	143.00	116.96	82.75	141.81	117.52
U.P.(E)*	37.19	131.59	58.65	40.70	127.71	60.51
U.P.(W)*						
Kolkata*	48.13	136.76	73.53	50.19	140.40	76.05
W.B.*						
All India	46.09	148.06	77.58	48.37	148.61	79.38

* 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 84.88, followed by Tamil Nadu (82.75). Bihar continues to have the lowest Rural Tele-density of 33.14, followed by Madhya Pradesh (36.85).

Table 1.5 : Growth/Decline in Subscribers

Service Provider	Subscriber base (millions)			Rate of Growth (%)	Market Share Dec-14 (%)	Market Share Mar-15 (%)
	Dec-14	Mar-15	Net Additions			
Bharti	220.60	229.43	8.83	4.00	22.72	23.02
Vodafone	178.75	183.88	5.13	2.87	18.41	18.45
IDEA	150.54	157.81	7.27	4.83	15.50	15.84
Reliance Comm. Group	107.48	110.65	3.17	2.95	11.07	11.10
Tata	67.78	67.99	0.21	0.31	6.98	6.82
Aircel	78.67	81.40	2.72	3.46	8.10	8.17
Quadrant	2.74	2.96	0.22	8.09	0.28	0.30
Sistema	9.04	8.92	-0.11	-1.26	0.93	0.90
Telewings	43.63	45.62	1.99	4.55	4.49	4.58
Videocon	6.45	7.13	0.68	10.56	0.66	0.72
BSNL	98.32	93.64	-4.68	-4.76	10.13	9.40
MTNL	6.97	7.06	0.09	1.31	0.72	0.71
Total	970.97	996.49	25.52	2.63	100	100

1.9 Bharti is the leading operator in access segment in terms of number of subscribers. During the quarter, Bharti recorded the highest net addition of 8.83 million subscribers followed by Idea Cellular (7.27 million). BSNL (-4.76 million) and Sistema Shyam (-0.11 million) recorded the net decline in subscribers during the QE Mar-15.

Table 1.6 : Market Share of the operators in total rural subscriber base – Q.E. Mar-15

Service Provider	No. of Total Subscribers (in millions)	No. of Rural Subscribers (in millions)	Percentage of Rural subscribers	Market share of Rural subscribers (%)
Bharti	229.43	107.61	46.90	25.66
Vodafone	183.88	97.91	53.24	23.35
IDEA	157.81	89.29	56.58	21.29
BSNL	93.64	34.53	36.87	8.23
Aircel	81.40	28.65	35.20	6.83
Reliance Comm. Group	110.65	27.75	25.08	6.62
Tata	67.99	17.30	25.44	4.12
Telewings	45.62	14.19	31.12	3.39
Sistema	8.92	1.96	21.98	0.47
Quadrant	2.96	0.12	4.19	0.03
Videocon	7.13	0.00	0.00	0.00
MTNL	7.06	0.00	0.00	0.00
Total	996.49	419.31	42.08	100

1.10 IDEA continues to be the service provider with highest proportion of rural subscribers (56.58%), followed by Vodafone (53.24%) 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 March, 2015]

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

1.11 Complete list of licensed Cellular (GSM & CDMA) Service providers as on 31st March, 2015 is at Annexure -1.1

1.12 Total Wireless (GSM+CDMA) subscriber base increased from 943.97 million at the end of Dec-14 to 969.89 million at the end of Mar-15, thereby showing a growth rate of 2.75%. During this quarter, net addition of 25.92 million subscribers was recorded. The year-on-year (Y-O-Y) growth of wireless subscribers is 7.23% for Q.E. Mar-15.

1.13 Wireless Teledensity increased from 75.43 at the end of Dec-14 to 77.27 at the end of Mar-15.

Chart 1.6: Wireless Subscriber Base and Teledensity

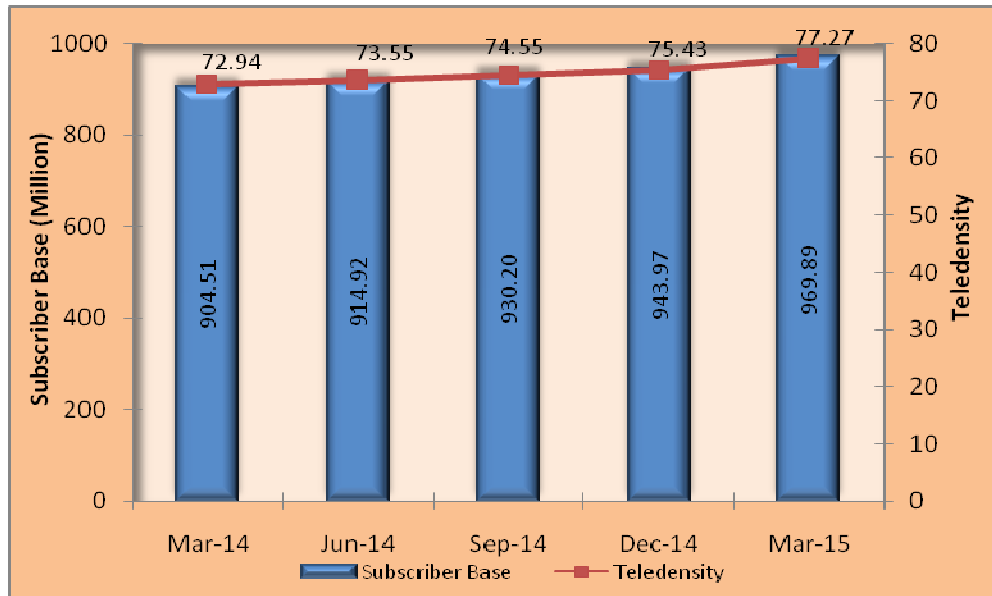


Table 1.8: Wireless Subscriber Base & Tele-density - Rural & Urban

Quarter ending	Subscriber Base (million)		Tele-density	
	Rural	Urban	Rural	Urban
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
Mar-15	414.18	555.71	47.78	143.08

1.14 The Rural Wireless subscribers increased from 393.34 million at the end of Dec-14 to 414.18 million at the end of Mar-15.

1.15 Rural subscription increased at the rate of 5.30% in QE Mar-15 as against the growth rate of 2.83% in QE Dec-14. Urban subscription increased at the rate of 4.31% as against the growth rate of 0.54% in the previous quarter.

1.16 The share of rural wireless subscription increased from 41.67% to 42.70% in total wireless subscription in this quarter.

Chart 1.7: Wireless Market Share - Rural & Urban

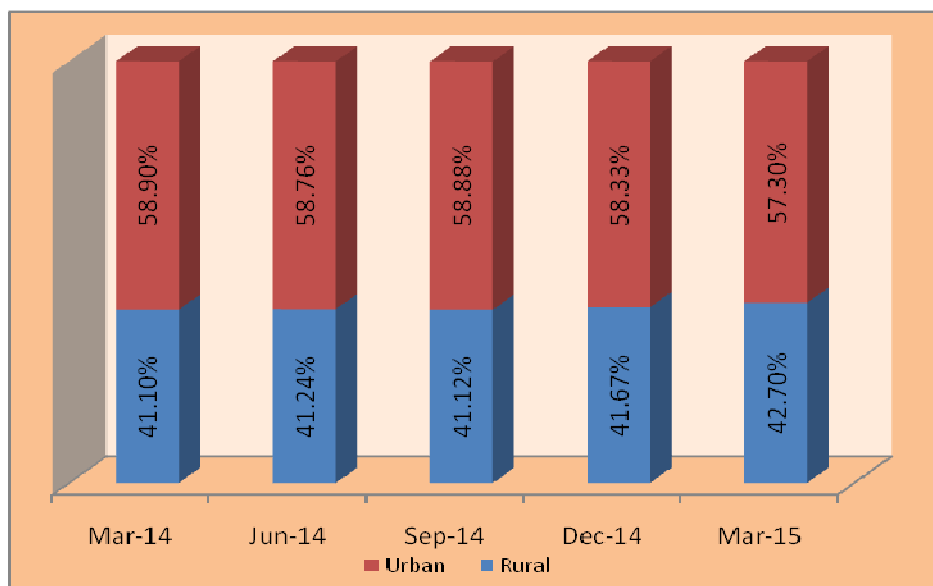


Table 1.9: Growth in Wireless Subscriber base

Service Provider	Subscriber Base (millions)			Rate of Growth (%)	Market Share Dec-14 (%)	Market Share Mar-15 (%)
	Dec-14	Mar-15	Net Additions			
Bharti	217.22	226.02	8.80	4.05	23.01	23.30
Vodafone	178.68	183.80	5.13	2.87	18.93	18.95
IDEA	150.54	157.81	7.27	4.83	15.95	16.27
Reliance Comm. Group	106.29	109.47	3.18	2.99	11.26	11.29
Aircel	78.67	81.40	2.72	3.46	8.33	8.39
BSNL	81.38	77.22	-4.16	-5.11	8.62	7.96
Tata	66.17	66.32	0.15	0.23	7.01	6.84
Telewings	43.63	45.62	1.99	4.55	4.62	4.70
Sistema	8.98	8.86	-0.12	-1.29	0.95	0.91
Videocon	6.45	7.13	0.68	10.56	0.68	0.74
MTNL	3.45	3.51	0.06	1.77	0.37	0.36
Quadrant	2.51	2.73	0.22	8.71	0.27	0.28
Total	943.97	969.89	25.92	2.75	-	-

- 1.17 Bharti remains the leading operator with 226.02 million subscribers at the end of Mar-15, followed by Vodafone (183.80 million) and Idea (157.81 million).
- 1.18 In terms of net additions during the quarter ending Mar-15, Bharti (8.80 million) has added the highest number of subscribers, followed by Idea Cellular (7.27 million). BSNL and Sistema shown net decline in wireless subscribers during this quarter.

Table 1.10: Service Area wise Wireless Subscriber base

Service Area	Subscriber base (in million)			
	Dec-14	Mar-15	Net Additions	Rate of change (%)
Andhra Pradesh	70.56	71.95	1.39	1.97
Assam	16.43	17.15	0.72	4.37
Bihar	65.12	69.27	4.15	6.37
Delhi	45.35	46.17	0.82	1.81
Gujarat	56.80	58.56	1.77	3.11
Haryana	21.75	22.01	0.26	1.19
Himachal Pradesh	7.63	7.86	0.23	3.03
Jammu & Kashmir	8.88	9.31	0.43	4.87
Karnataka	57.18	58.04	0.86	1.50
Kerala	31.13	31.41	0.27	0.87
Madhya Pradesh	58.88	60.72	1.84	3.13
Maharashtra	74.87	76.94	2.08	2.77
Mumbai	30.05	30.65	0.59	1.97
North East	10.26	10.39	0.13	1.24
Orissa	27.12	27.87	0.75	2.77
Punjab	30.92	30.63	-0.29	-0.95
Rajasthan	53.13	55.21	2.07	3.90
T.N. (incl. Chennai)	79.76	80.32	0.56	0.70
U.P.(E)	80.14	83.40	3.26	4.07
U.P.(W)	50.54	52.02	1.48	2.93
Kolkata	21.96	22.56	0.60	2.74
West Bengal	45.51	47.46	1.95	4.29
All India	943.97	969.89	25.92	2.75

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

Service Area	Subscriber base (in million) – Mar-15			
	Total	Rural	Urban	% of Rural Subscribers
Andhra Pradesh	71.95	30.56	41.38	42.48
Assam	17.15	10.55	6.60	61.52
Bihar	69.27	38.79	30.48	56.00
Delhi	46.17	2.22	43.95	4.81
Gujarat	58.56	22.42	36.14	38.29
Haryana	22.01	10.30	11.71	46.79
Himachal Pradesh	7.86	5.14	2.72	65.42
Jammu & Kashmir	9.31	4.94	4.37	53.10
Karnataka	58.04	18.37	39.67	31.65
Kerala	31.41	16.15	15.26	51.42
Madhya Pradesh	60.72	27.31	33.41	44.97
Maharashtra	76.94	37.17	39.77	48.31
Mumbai	30.65	0.68	29.97	2.21
North East	10.39	5.18	5.21	49.90
Orissa	27.87	15.38	12.49	55.19
Punjab	30.63	12.13	18.49	39.62
Rajasthan	55.21	29.11	26.09	52.74
T.N. (incl. Chennai)	80.32	23.60	56.72	29.38
U.P.(E)	83.40	45.81	37.59	54.92
U.P.(W)	52.02	24.93	27.10	47.91
Kolkata	22.56	1.66	20.90	7.35
West Bengal	47.46	31.79	15.68	66.97
All India	969.89	414.18	555.71	42.70

Table 1.12 : Service Area wise Wireless Tele-density

Service Area	As on 31 st December, 2014			As on 31 st March, 2015		
	Rural Teledensity	Urban Teledensity	Total Teledensity	Rural Teledensity	Urban Teledensity	Total Teledensity
A.P.	47.49	166.25	80.60	48.32	169.16	82.02
Assam	37.29	126.19	51.34	39.07	129.56	53.43
Bihar	30.34	158.71	48.00	33.06	162.75	50.91
Delhi	-	-	220.40	-	-	222.78
Gujarat	57.58	137.15	90.61	61.06	138.20	93.14
Haryana	58.02	121.30	80.51	59.03	121.09	81.17
H.P.	79.49	330.53	108.51	82.55	332.79	111.56
J&K	51.40	127.42	72.40	55.58	128.35	75.71
Karnataka	46.55	166.49	92.67	48.32	166.45	93.84
Kerala	60.24	168.29	87.66	60.84	169.07	88.30
M.P.	34.55	119.62	57.69	36.64	119.76	59.29
Maharashtra*	59.09	117.66	87.18	60.34	120.23	89.12
Mumbai*						
North East	48.84	152.08	74.54	50.04	151.11	75.26
Orissa	42.53	167.82	64.44	44.23	168.88	66.09
Punjab	68.93	143.98	101.36	70.01	139.48	100.12
Rajasthan	50.22	148.83	73.99	53.25	150.14	76.62
Tamil Nadu (incl. Chennai)	78.46	137.37	113.00	81.17	136.29	113.62
U.P.(E)*	37.11	129.86	58.19	40.62	126.04	60.06
U.P.(W)*						
Kolkata*	47.82	132.04	71.95	49.89	135.77	74.51
West Bengal*						
All India	45.47	142.46	75.43	47.78	143.08	77.27

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

Notes:

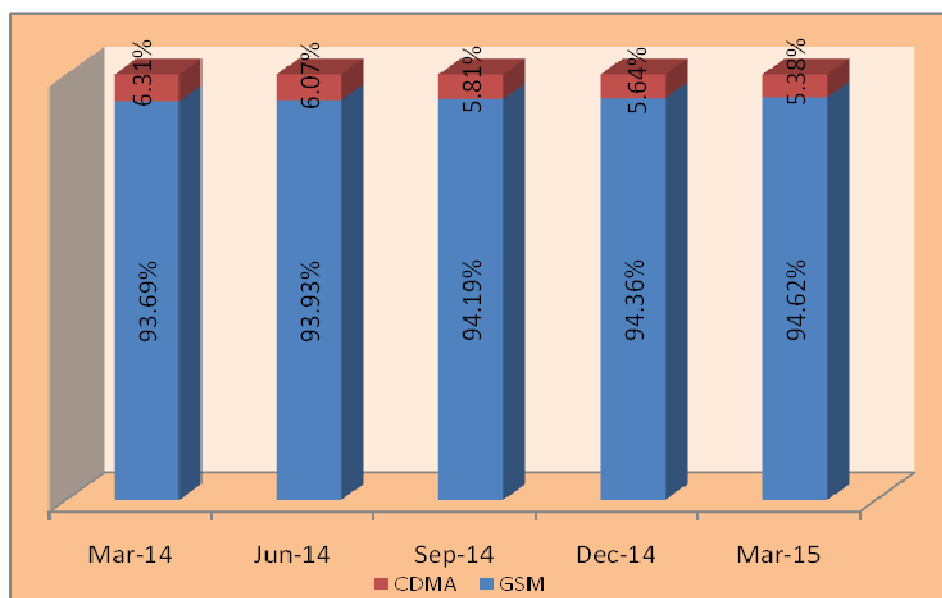
1. Teledensity figures are derived from the subscriber data provided by the operators and the population projections, for Urban and Rural areas, of the country, published by the Office of the Registrar General & Census Commissioner, India.
2. Delhi service area, apart from the State of Delhi, includes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

Table 1.13 : Rural Wireless Subscriber base and Market Share

Service Provider	Subscribers at the end of Mar-15 (in millions)	Rural Subscribers (in millions)		% of Rural subscribers in total		Market Share of Rural Subscribers (%)	
		Dec-14	Mar-15	Dec-14	Mar-15	Dec-14	Mar-15
Bharti	226.02	101.25	107.61	46.61	47.61	25.74	25.98
Vodafone	183.80	93.79	97.91	52.49	53.27	23.85	23.64
IDEA	157.81	83.25	89.29	55.31	56.58	21.17	21.56
BSNL	77.22	27.83	29.52	34.19	38.23	7.07	7.13
Reliance Comm. Group	109.47	26.70	27.75	25.12	25.35	6.79	6.70
Aircel	81.40	27.84	28.65	35.38	35.20	7.08	6.92
Tata	66.32	16.92	17.25	25.58	26.01	4.30	4.16
Telewings	45.62	13.66	14.19	31.30	31.12	3.47	3.43
Sistema	8.86	2.03	1.95	22.58	22.01	0.52	0.47
Quadrant	2.73	0.06	0.07	2.45	2.51	0.02	0.02
Videocon	7.13	0.00	0.00	0.00	0.00	0.00	0.00
MTNL	3.51	0.00	0.00	0.00	0.00	0.00	0.00
Total	969.89	393.34	414.18	41.67	42.70	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 Mar-15, GSM subscribers constituted 94.62% share of the wireless market.

GSM Services

1.21 The GSM subscribers were 917.73 million at the end of Mar-15 as against 890.78 million at the quarter ending Dec-14, showing a quarterly growth of 3.03%. Bharti with 226.02 million subscribers continues to be the largest GSM mobile operator, followed by Vodafone (183.80 million).

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

Service Provider	Dec-14		Mar-15		Net Additions (in million)
	No of Subscribers (in millions)	Market Share (%)	No of Subscribers (in millions)	Market Share (%)	
Bharti	217.22	24.38	226.02	24.63	8.80
Vodafone	178.68	20.06	183.80	20.03	5.13
Idea	150.54	16.90	157.81	17.20	7.27
BSNL	79.34	8.91	75.24	8.20	-4.10
Reliance Comm. Group	79.03	8.87	82.43	8.98	3.41
Aircel	78.67	8.83	81.40	8.87	2.72
Tata	51.36	5.77	52.13	5.68	0.78
Telewings	43.63	4.90	45.62	4.97	1.99
Videocon	6.45	0.72	7.13	0.78	0.68
MTNL	3.36	0.38	3.42	0.37	0.06
Quadrant	2.51	0.28	2.73	0.30	0.22
Total	890.78	100	917.73	100	26.95

1.22 There has been a net increase of 26.95 million GSM subscribers during the quarter ending Mar-15.

CDMA Services

1.23 The CDMA subscriber base further declined from 53.19 million at the end of Dec-14 to 52.16 million at the end of Mar-15, thereby showing a decline rate of 1.94%. Reliance Communications Group with 27.04 million subscribers continues to be the largest CDMA mobile operator.

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

Service Provider	Dec-14		Mar-15		Net Addition/ Decline (in million)
	No of Subscribers (in million)	Market Share (%)	No of Subscribers (in million)	Market Share (%)	
Reliance Comm. Group	27.27	51.26	27.04	51.84	-0.23
Tata	14.81	27.84	14.18	27.19	-0.63
Sistema	8.98	16.88	8.86	16.99	-0.12
BSNL	2.04	3.84	1.98	3.81	-0.06
MTNL	0.09	0.17	0.09	0.17	-0.001
Quadrant	0.002	0.003	0.002	0.004	0.0001
Total	53.19	100	52.16	100	-1.03

1.24 There has been a net decline of 1.03 million CDMA subscribers during the quarter ending Mar-15.

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

Section C : Wireline Service

Table 1.16 : Service Providers providing Wireline Service

[As on 31st March, 2015]

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 (including Telangana), Delhi, Gujarat, Haryana, Himachal Pradesh, Madhya Pradesh (including Chhatisgarh), Maharashtra, Mumbai, Punjab, Tamil Nadu (including 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 27.00 million at the end of Dec-14 to 26.59 million at the end of Mar-15 with quarterly declining rate of 1.50%. Overall Wireline Teledensity is 2.12 at the end of this quarter as against 2.16 of the previous quarter.

1.27 Rural subscriber base has shown decline of 4.11%, from 5.34 Million at the end of Dec-14 to 5.12 Million at the end of Mar-15. During the same period, Urban subscription also recorded decline of 0.86%, from 21.66 million to 21.47 million.

Chart 1.9: Wireline Subscriber Base and Teledensity

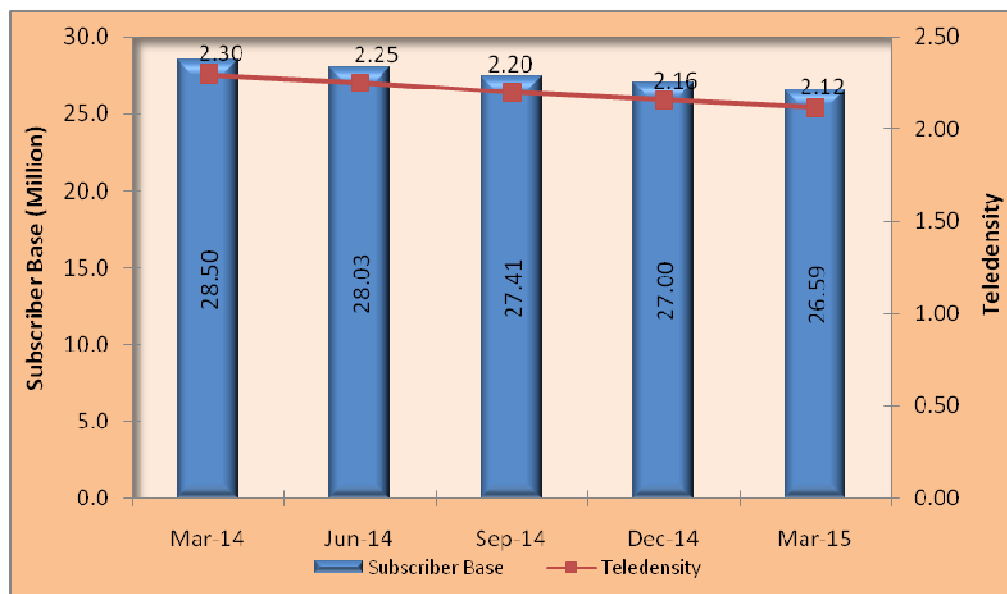


Table 1.17 : Wireline Subscriber Base & Tele-density - Rural & Urban

Quarter ending	Subscriber Base (million)		Teledensity	
	Rural	Urban	Rural	Urban
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
Mar-15	5.12	21.47	0.59	5.53

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

Service Provider	Subscriber Base (million) Mar-15			Share of Rural subscription (%)
	Rural	Urban	Total	
BSNL	5.01	11.41	16.41	30.51
MTNL	-	3.55	3.55	--
Bharti	-	3.41	3.41	--
Reliance	0.002	1.18	1.18	0.16
Tata	0.05	1.62	1.67	2.94
Quadrant	0.06	0.17	0.23	24.34
Sistema	0.01	0.05	0.06	16.80
Vodafone	-	0.08	0.08	--
Total	5.12	21.47	26.59	19.27

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

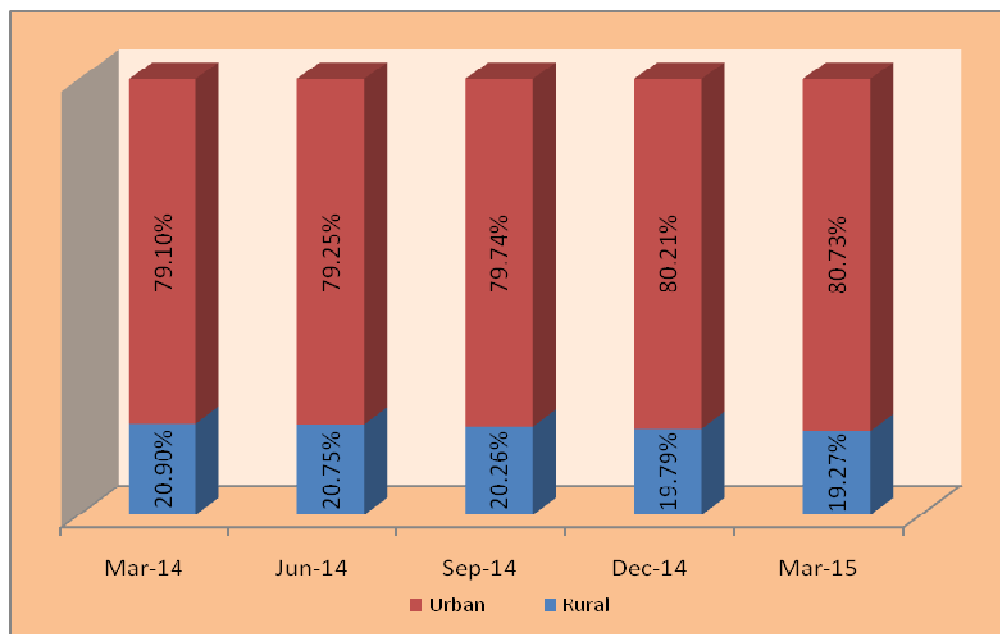


Table 1.19 : Service Provider wise growth in Subscriber base

Service Provider	Subscriber Base (million)			Rate of change (%)	Market share-Dec-14 (%)	Market share-Mar-15 (%)
	Dec-14	Mar-15	Net Addition			
BSNL	16.93	16.41	-0.52	-3.07	62.71	61.71
MTNL	3.52	3.55	0.03	0.85	13.04	13.35
Bharti	3.39	3.41	0.02	0.67	12.55	12.83
Tata	1.61	1.67	0.06	3.58	5.98	6.29
Reliance	1.19	1.18	-0.004	-0.38	4.39	4.45
Quadrant	0.22	0.23	0.002	1.11	0.83	0.86
Sistema	0.05	0.06	0.002	3.94	0.20	0.21
Vodafone	0.08	0.08	0.004	4.86	0.28	0.30
Total	27.00	26.59	-0.41	-1.50	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	Dec-14	Mar-15	Net Additions (in million)	Rate of Change (%)
Andhra Pradesh	1.92	1.87	-0.05	-2.44
Assam	0.18	0.17	-0.01	-6.04
Bihar	0.37	0.36	-0.01	-3.87
Delhi	3.12	3.14	0.02	0.59
Gujarat	1.57	1.55	-0.02	-1.04
Haryana	0.43	0.41	-0.03	-6.03
Himachal Pradesh	0.23	0.21	-0.02	-9.28
Jammu & Kashmir	0.16	0.15	-0.01	-4.55
Karnataka	2.27	2.28	0.01	0.47
Kerala	2.68	2.59	-0.09	-3.52
Madhya Pradesh	1.10	1.11	0.005	0.43
Maharashtra	2.16	2.12	-0.04	-1.93
Mumbai	3.04	3.06	0.02	0.80
North East	0.13	0.13	-0.002	-1.22
Orissa	0.34	0.32	-0.02	-5.21
Punjab	1.15	1.12	-0.03	-2.61
Rajasthan	0.85	0.82	-0.03	-3.47
T.N. (incl. Chennai)	2.80	2.76	-0.04	-1.44
U.P.(E)	0.53	0.51	-0.01	-2.15
U.P.(W)	0.51	0.48	-0.02	-4.54
Kolkata	1.02	1.00	-0.02	-1.58
W.B.	0.46	0.44	-0.02	-3.40
All India	27.00	26.59	-0.41	-1.50

1.29 Delhi, Karnataka, Madhya Pradesh and Mumbai service areas showed positive growth during the quarter ending Mar-15. All other service areas showed decline in wireline subscribers during the same period.

**Table 1.21: Service Area wise Wireline Rural-Urban Subscriber
Base– Mar-15 (in million)**

Service Area	Total Subs	Rural Subs	Urban Subs	% of Rural Subs
Andhra Pradesh	1.87	0.45	1.41	24.33
Assam	0.17	0.03	0.14	18.13
Bihar	0.36	0.10	0.26	28.12
Delhi	3.14	0.00	3.14	0.00
Gujarat	1.55	0.29	1.26	18.92
Haryana	0.41	0.10	0.30	25.33
Himachal Pradesh	0.21	0.14	0.06	69.48
Jammu & Kashmir	0.15	0.02	0.12	16.38
Karnataka	2.28	0.27	2.01	11.72
Kerala	2.59	1.68	0.90	65.06
Madhya Pradesh	1.11	0.16	0.95	14.18
Maharashtra	2.12	0.46	1.66	21.61
Mumbai	3.06	0.00	3.06	0.00
North East	0.13	0.03	0.10	23.24
Orissa	0.32	0.08	0.24	25.03
Punjab	1.12	0.34	0.78	30.19
Rajasthan	0.82	0.17	0.66	20.09
T.N. (incl. Chennai)	2.76	0.46	2.30	16.60
U.P.(E)	0.51	0.08	0.43	15.62
U.P.(W)	0.48	0.06	0.42	12.00
Kolkata	1.00	0.00	1.00	0.00
W.B.	0.44	0.20	0.24	44.85
All India	26.59	5.12	21.47	19.27

Table 1.22: Service Area wise Wireline Teledensity

Service Area	As on 31 st December, 2014			As on 31 st March, 2015		
	Rural Teledensity	Urban Teledensity	Total Teledensity	Rural Teledensity	Urban Teledensity	Total Teledensity
Andhra Pradesh	0.77	5.87	2.19	0.72	5.78	2.13
Assam	0.12	2.87	0.56	0.11	2.69	0.52
Bihar	0.09	1.44	0.28	0.09	1.38	0.26
Delhi	-	-	15.18	-	-	15.16
Gujarat	0.84	4.85	2.50	0.80	4.81	2.47
Haryana	0.66	3.30	1.60	0.59	3.14	1.50
Himachal Pradesh	2.65	7.97	3.27	2.32	7.78	2.96
Jammu & Kashmir	0.31	3.81	1.28	0.28	3.67	1.21
Karnataka	0.74	8.36	3.67	0.70	8.44	3.68
Kerala	6.63	10.26	7.55	6.34	10.02	7.27
Madhya Pradesh	0.21	3.40	1.08	0.21	3.40	1.08
Maharashtra*	0.77	8.17	4.32	0.73	8.14	4.29
Mumbai*						
North East	0.30	2.87	0.94	0.29	2.84	0.92
Orissa	0.26	3.35	0.80	0.23	3.23	0.75
Punjab	1.74	6.44	3.77	1.95	5.90	3.66
Rajasthan	0.33	3.87	1.19	0.30	3.78	1.14
Tamil Nadu (incl. Chennai)	1.62	5.62	3.97	1.58	5.53	3.90
U.P.(E)*	0.08	1.73	0.46	0.08	1.67	0.44
U.P.(W)*						
Kolkata*	0.31	4.73	1.58	0.30	4.63	1.54
W.B.*						
All India	0.62	5.60	2.16	0.59	5.53	2.12

* 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 declined from 7.79 lakh at the end of Dec-14 to 7.73 lakh at the end of Mar-15. Detailed table of service provider wise PCOs is available at Annexure -1.4.

Chart 1.11: Trend of Number of PCOs

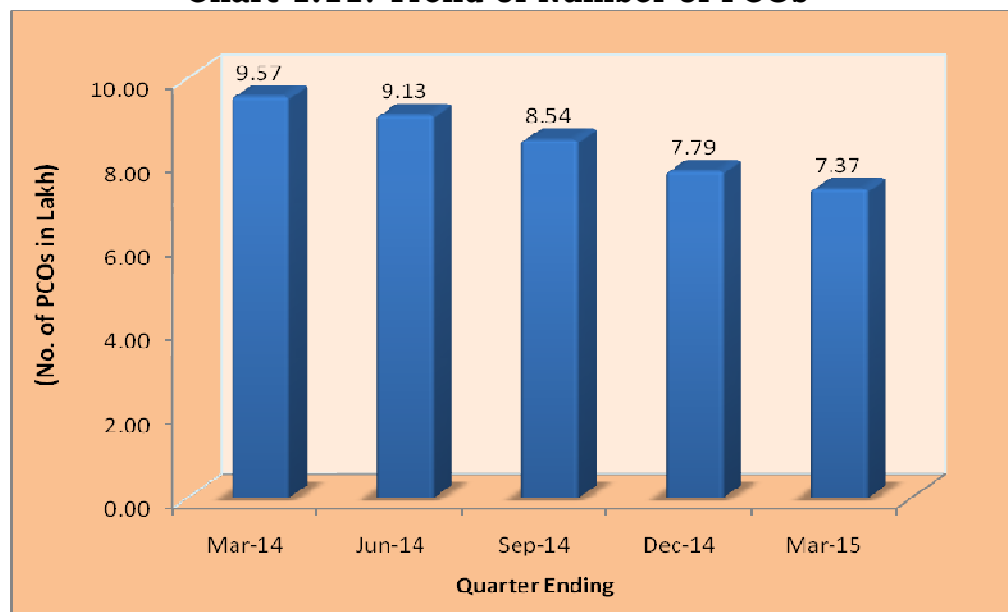


Table 1.23 : Rate of change & Market share of PCOs

Service Provider	Dec-14 (in lakh)	Mar-15 (in lakh)	Rate of change (%)	Market share (%) (Mar-15)
BSNL	4.94	4.66	-5.64	63.22
MTNL	1.39	1.39	-0.40	18.82
Bharti	0.23	0.23	0.00	3.13
Quadrant	0.03	0.03	-5.54	0.35
Sistema	0.11	0.10	-0.67	1.42
Tata	0.56	0.47	-15.35	6.39
Reliance	0.54	0.49	-9.57	6.67
Vodafone	-	-	-	-
Total	7.79	7.37	-5.44	100

1.31 Number of PCOs continued show declining trend. This quarter has recorded a decline of 5.44%. The year-on-year (Y-O-Y) decline rate over the same quarter of the last year is 23.00%.

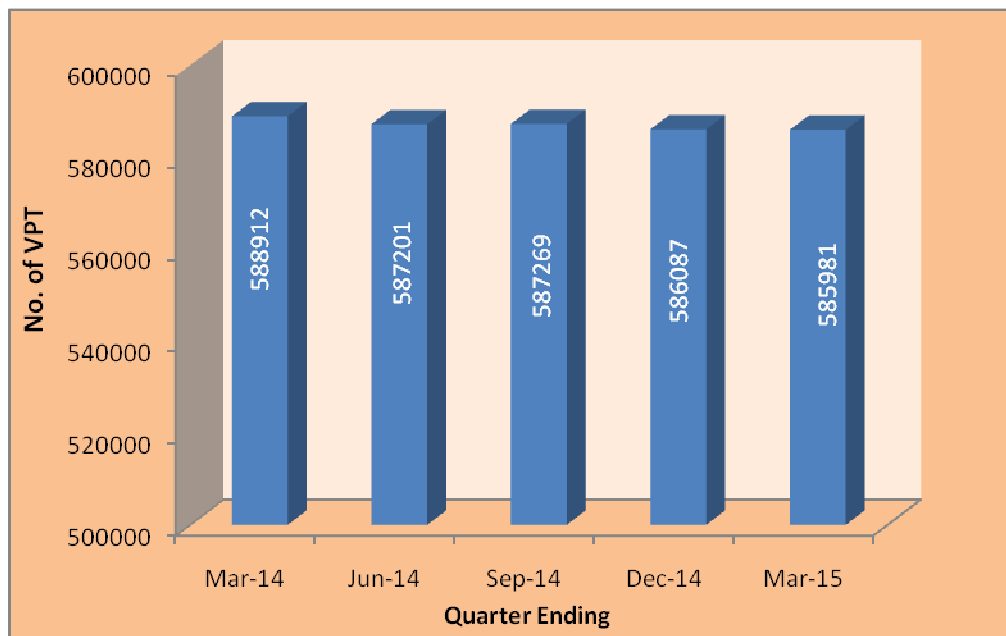
Village Public Telephones (VPTs)

1.32 There are 5,93,731 inhabited villages in India as per census 2001. At the end of the quarter, 98.69% of the total inhabited villages in India have been connected by VPT.

1.33 The number of VPTs decreased from 5,86,087 at the end of Dec-14 to 5,85,981 at the end of Mar-15.

1.34 BSNL (5,81,183) has 99.18% market share of total VPTs followed by Sistema (3010) with 0.51%. Detailed table of VPT is at available Annexure -1.5.

Chart 1.12: Growth/decline Trend in VPTs



Section D: Internet Service

1.35 This section summarizes information submitted by 129 operators for the quarter ending Mar-15. **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 267.39 million at the end of Dec-14 to 302.35 million at the end of Mar-15 with quarterly growth rate of 13.08%.

1.37 Wired Internet subscribers increased from 18.86 million at the end of Dec-14 to 19.07 million at the end of Mar-15 with quarterly growth of 1.09%, whereas Wireless Internet subscribers increased from 248.53 million at the end of Dec-14 to 283.29 million at the end of Mar-15 with quarterly growth rate of 13.99%.

1.38 Number of Broadband subscribers increased from 85.74 million at the end of Dec-14 to 99.20 million at the end of Mar-15. The number of Narrowband subscribers also increased from 181.65 million at the end of Dec-14 to 203.15 million at the end of Mar-15.

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			
Dec-14	Mar-15	Dec-14	Mar-15	Dec-14	Mar-15	Dec-14	Mar-15	Dec-14	Mar-15	
Broadband	15.32	15.52	0.43	0.44	69.99	83.24	70.42	83.68	85.74	99.20
Narrowband	3.54	3.55	0.04	0.03	178.08	199.57	178.12	199.60	181.65	203.15
Total	18.86	19.07	0.47	0.48	248.06	282.81	248.53	283.29	267.39	302.35

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

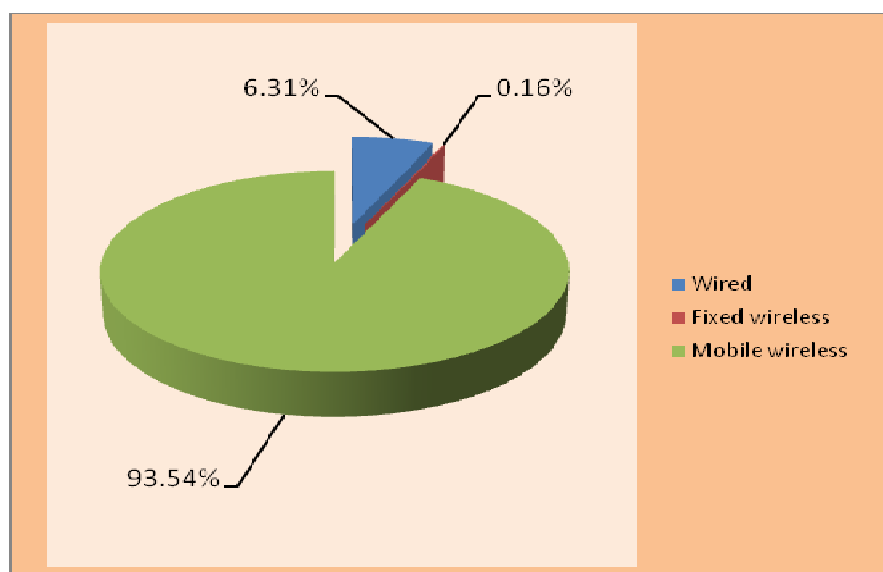
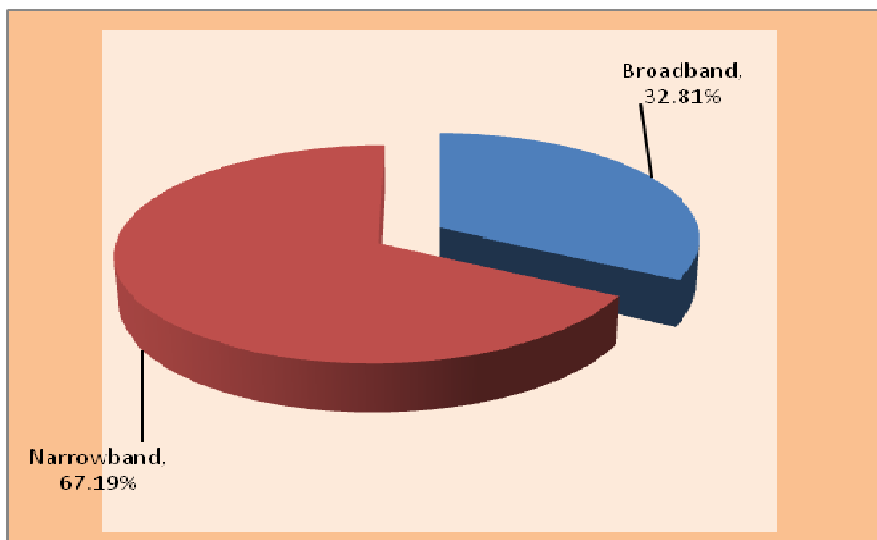


Chart 1.14 : Composition of Broadband & Narrowband subscription



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	6.07	8.51	2.08	5.46	8.15	13.97
Assam	2.73	1.47	0.51	0.76	3.25	2.23
Bihar	6.74	6.69	1.21	1.96	7.94	8.64
Delhi	0.61	8.79	0.40	8.70	1.01	17.49
Gujarat	5.08	7.48	2.00	4.89	7.07	12.37
Haryana	2.58	2.30	1.09	1.17	3.67	3.47
Himachal Pradesh	1.18	0.66	0.46	0.28	1.64	0.94
Jammu & Kashmir	1.44	1.07	0.35	0.49	1.79	1.56
Karnataka	3.92	7.77	2.77	5.64	6.69	13.41
Kerala	3.62	3.47	2.52	3.35	6.14	6.82
Kolkata	0.23	4.91	0.19	2.68	0.42	7.59
Madhya Pradesh	5.27	6.71	1.24	3.41	6.51	10.12
Maharashtra	7.33	8.96	1.79	7.44	9.12	16.40
Mumbai	0.15	7.18	0.10	7.06	0.25	14.25
North East	1.52	1.07	0.40	0.59	1.92	1.65

Telecom Service Area	Narrowband		Broadband		Total	
	Rural	Urban	Rural	Urban	Rural	Urban
Orissa	3.11	2.68	0.41	1.10	3.52	3.77
Punjab	4.20	5.30	1.02	2.35	5.23	7.65
Rajasthan	5.89	5.83	1.43	2.64	7.31	8.47
Tamil Nadu	4.24	10.06	2.27	7.56	6.52	17.62
UP (East)	9.69	7.44	0.96	2.29	10.66	9.73
UP (West)	4.97	5.65	1.09	2.49	6.06	8.14
West Bengal	5.66	2.91	1.22	1.39	6.88	4.31
Total	86.25	116.90	25.51	73.69	111.76	190.60

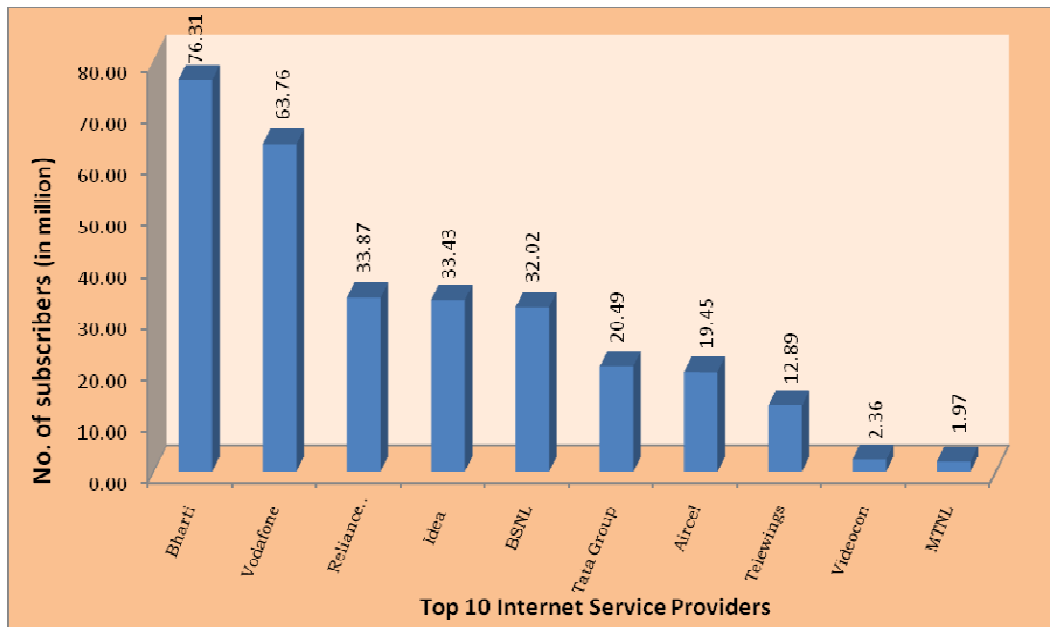
Table 1.26: Internet Subscriber Base and Market Share of top 10 Service Providers – Mar-15

S.No	ISP	Subs	Share (%)
1	Bharti	76306546	25.24
2	Vodafone	63758673	21.09
3	Reliance Communication Group	33867397	11.20
4	Idea	33433960	11.06
5	BSNL	32021476	10.59
6	Tata Group	20493409	6.78
7	Aircel	19449176	6.43
8	Telewings	12886276	4.26
9	Videocon	2359879	0.78
10	MTNL	1973220	0.65
	Total of Top 10 ISPs	296550012	98.08
	Others	5804871	1.92
	Grand Total	302354883	

1.41 Bharti holds the top position with 25.24% of market share of internet subscribers followed by Vodafone with 21.09%. Top 10 Service Providers together hold 98.08% of total internet subscriber base. Detailed table of number of subscriber base of all the service providers is available at Annexure-1.6.

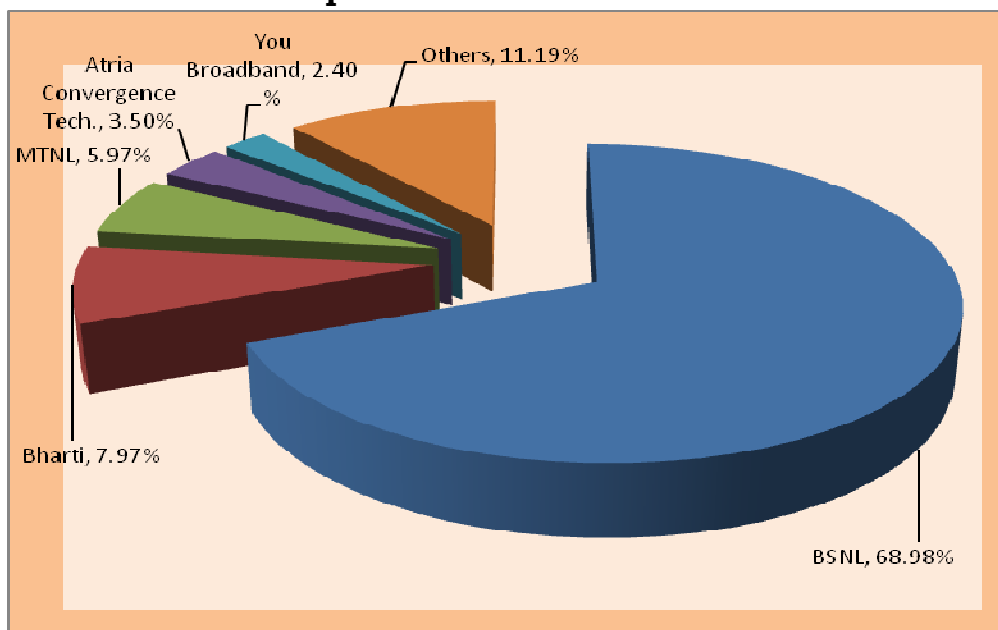
1.42 The following chart depicts the subscriber base of top ten ISPs in the QE Mar-15.

Chart 1.15 : Subscriber base of top ten ISPs



1.43 In wired internet segment, BSNL holds 68.98% market share with 13.15 million subscribers, followed by Bharti with 1.52 million subscribers. Total number of wired internet subscriber is 19.07 million at the end of Mar-15.

Chart 1.16 : Composition of Wired Internet subscribers



1.44 In wireless internet segment, Bharti holds 26.40% market share with 74.79 million subscribers followed by Vodafone (63.75 million internet subscribers).

Chart 1.17 : Composition of Wireless Internet subscription

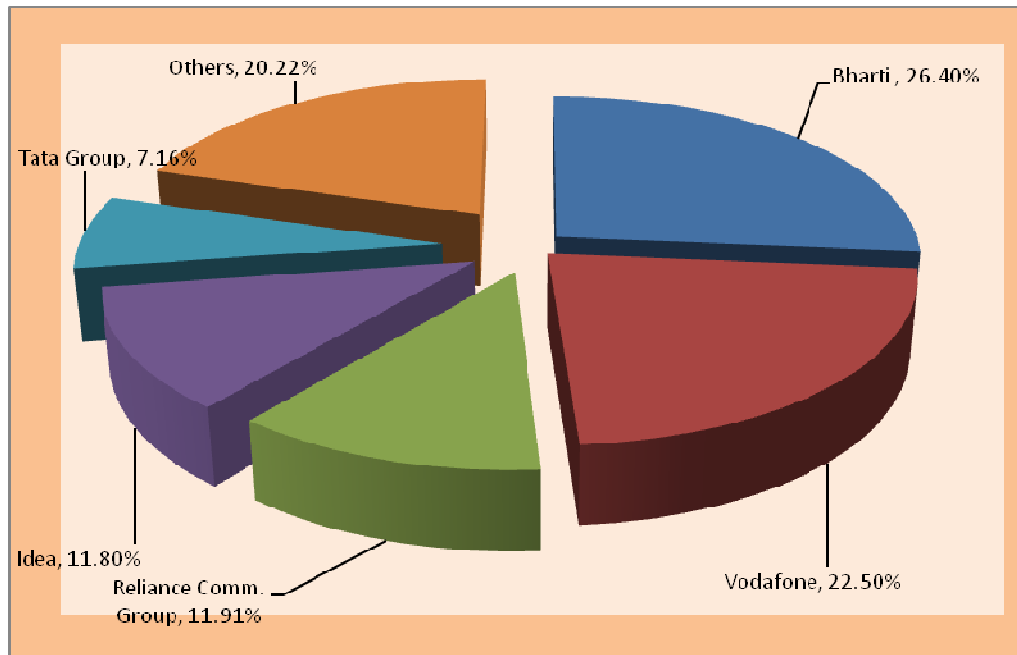


Chart 1.18 : Technology trend for Wireless Internet Access – Mar-15

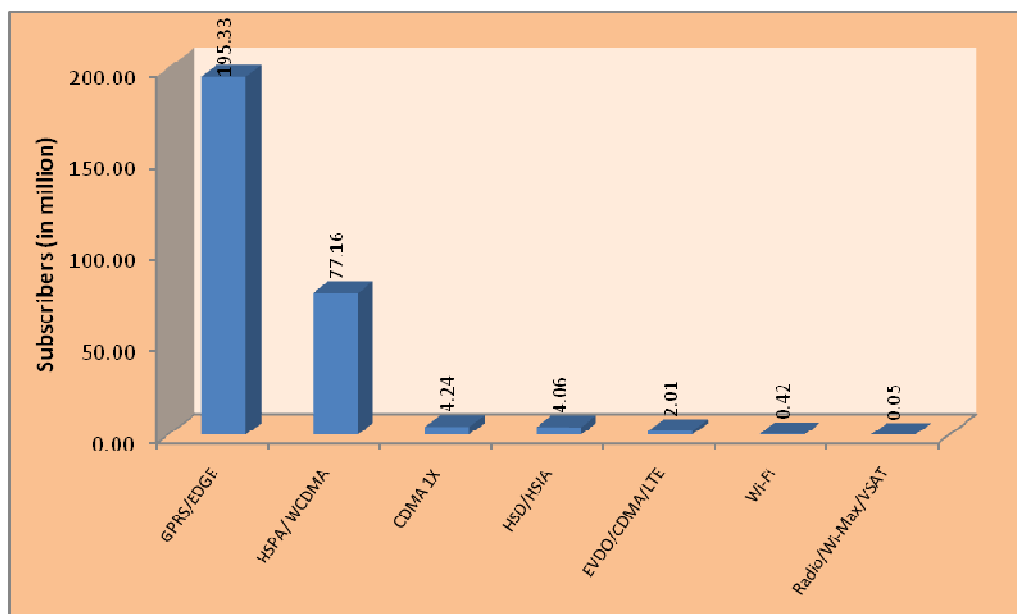
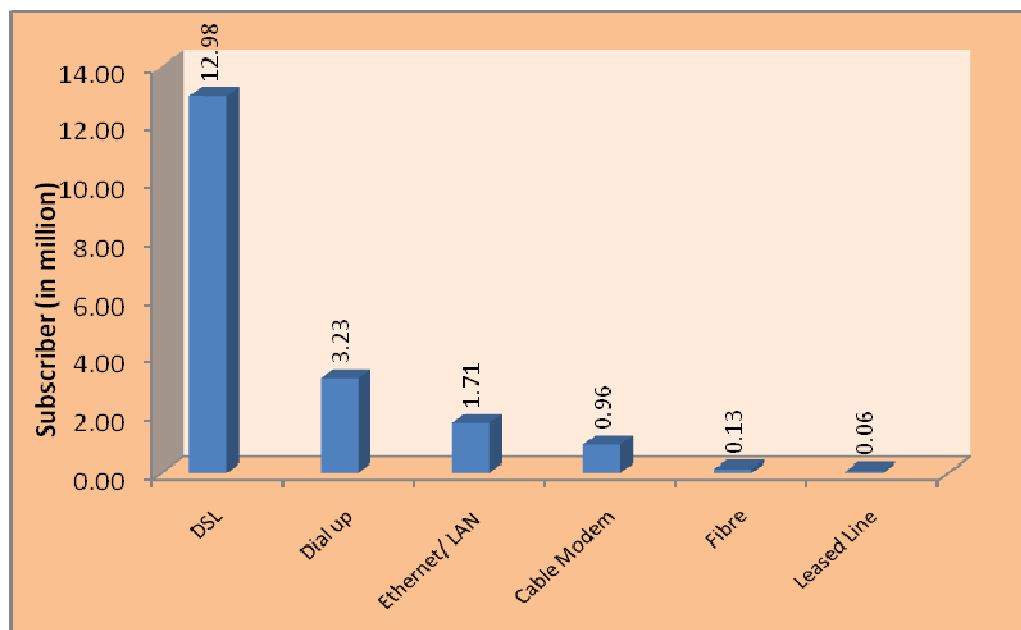


Chart 1.19 : Technology trend for Wired Internet Access – Mar-15



1.45 Top five service areas in terms of internet subscriptions (wired + wireless) are Maharashtra (25.53 million), Tamil Nadu including Chennai (24.14 million), Andhra Pradesh (22.12 million), U.P.(E) (20.38 million) and Karnataka (20.10 million).

Table 1.27 : Service Area wise number of Internet Subscribers per 100 population at the end of Mar-15

Service Area	Internet Subscribers (in million)			Internet subscribers per 100 population		
	Rural	Urban	Total	Rural	Urban	Total
Andhra Pradesh	8.15	13.97	22.12	12.88	57.10	25.22
Assam	3.25	2.23	5.47	12.03	43.70	17.05
Bihar	7.94	8.64	16.59	6.77	46.15	12.19
Delhi	-	-	18.50	-	-	89.24
Gujarat	7.07	12.37	19.44	19.26	47.31	30.93
Haryana	3.67	3.47	7.14	21.04	35.88	26.33
H.P.	1.64	0.94	2.59	26.37	115.61	36.71
J & K	1.79	1.56	3.35	20.17	45.83	27.27
Karnataka	6.69	13.41	20.10	17.59	56.27	32.50
Kerala	6.14	6.82	12.96	23.12	75.61	36.44
Madhya Pradesh	6.51	10.12	16.63	8.74	36.28	16.24

Service Area	Internet Subscribers (in million)			Internet subscribers per 100 population		
	Rural	Urban	Total	Rural	Urban	Total
Maharashtra	9.12	16.40	25.53	14.95	52.84	33.16
Mumbai	0.25	14.25	14.50			
North East	1.92	1.65	3.57	18.50	48.03	25.87
Orissa	3.52	3.77	7.30	10.13	51.03	17.30
Punjab	5.23	7.65	12.88	30.16	57.68	42.09
Rajasthan	7.31	8.47	15.79	13.38	48.75	21.91
Tamil Nadu	6.52	17.62	24.14	22.41	42.33	34.14
UP (East)	10.66	9.73	20.38	9.60	34.81	15.34
UP (West)	6.06	8.14	14.19			
Kolkata	0.42	7.59	8.01	10.89	44.14	20.42
West Bengal	6.88	4.31	11.19			
Total	111.76	190.60	302.35	12.89	49.07	24.09

* 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.

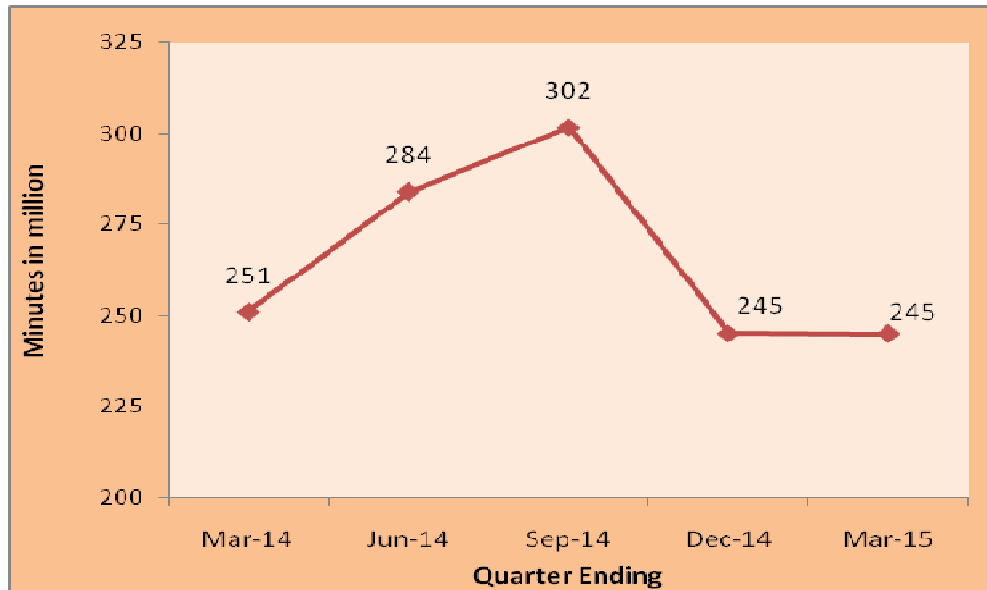
ISP Connectivity

1.46 The International Internet bandwidth owned by various service providers is reported to be 1559 GB during the quarter ending Mar-15 as compared to 1295 GB during the previous quarter.

Internet Telephony

1.47 As per the reports received from 19 service providers, providing Internet Telephony services, the total outgoing minutes of usage for internet telephony is 245.08 million during the Q.E. Mar-15. List of these Internet Telephony Service providers is available at Annexure-1.7.

Chart 1.20 : Trends in MOU for Internet Telephony

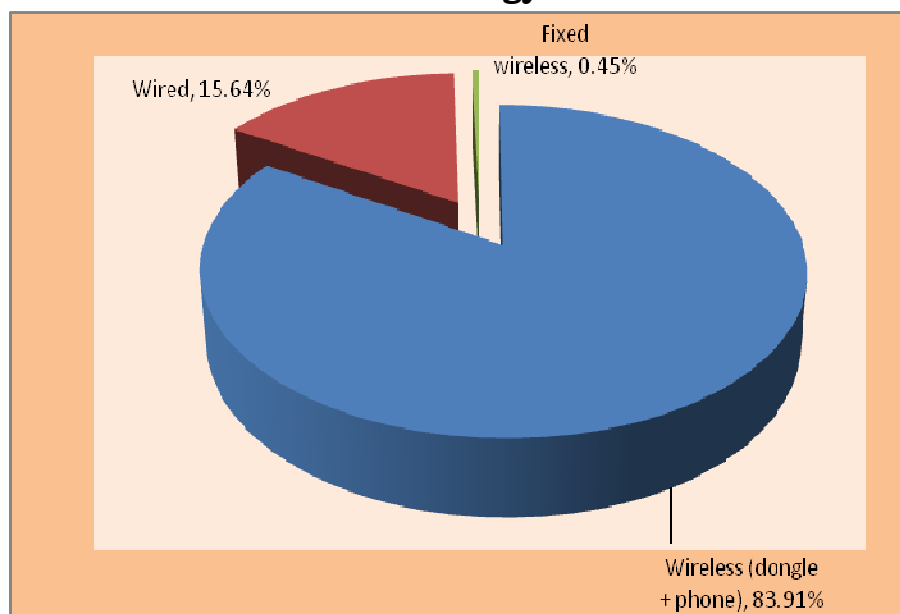


Part-II : Broadband Service (Download Speed \geq 512 Kbps)

- 1.48 The total number of broadband subscribers increased from 85.74 million at the end of Dec-14 to 99.20 million at the end of Mar-15. Out of which wired broadband subscribers are 15.52 million and wireless broadband subscribers are 83.68 million.
- 1.49 Top five broadband (wired+wireless) service providers in term of subscribers are Bharti (22.01 million), Vodafone (19.37 million), BSNL (18.88 million), Idea (14.52 million) and Reliance Communications Group (7.94 million).
- 1.50 In wired broadband segment, BSNL holds 64.17% market share with 9.96 million subscribers followed by Bharti with 1.43 million and MTNL with 1.14 million subscribers.
- 1.51 In wireless broadband segment, Bharti holds 24.59% market share with 20.58 million subscribers followed by Vodafone with 19.37 million (23.14%) and Idea Cellular with 14.52 million subscribers.

1.52 Top five service areas in respect of broadband subscriptions are Tamil Nadu including Chennai (9.84 million), Maharashtra (9.23 million), Delhi (9.10 million), Karnataka (8.41 million) and Andhra Pradesh (7.54 million).

Chart 1.21 : Composition of Broadband subscription – Technology wise



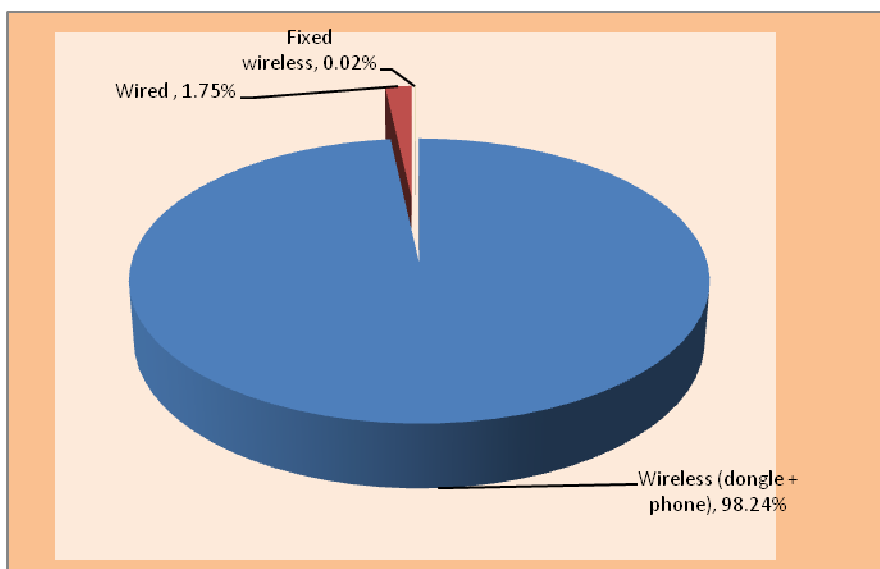
1.53 Mobile Device Users (dongle + phone) constitute 83.91% of total broadband subscribers.

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

1.54 Total number of narrowband subscribers increased from 181.65 million at the end of Dec-14 to 203.15 million at the end of Mar-15. Out of which Wired Narrowband subscribers are 3.55 million and Wireless Narrowband subscribers are 199.60 million.

- 1.55 The top five narrowband (wired + wireless) service providers in term of subscriber base are Bharti (54.30 million), Vodafone (44.39 million), Reliance Communications Group (25.92 million), Idea Cellular (18.91 million) and Aircel (16.70 million).
- 1.56 In wired narrowband segment, BSNL holds 90.03% market share with 3.19 million subscribers followed by Bharti (0.08 million) and Tata (0.06 million).
- 1.57 In wireless narrowband segment, Bharti holds 27.16% market share with 54.21 million subscribers followed by Vodafone (44.39 million) and Reliance Communications Group (25.90 million).

Chart 1.22 : Composition of Narrowband subscription – Technology wise



Section E : Other Value Added Services - PMRTS & VSAT

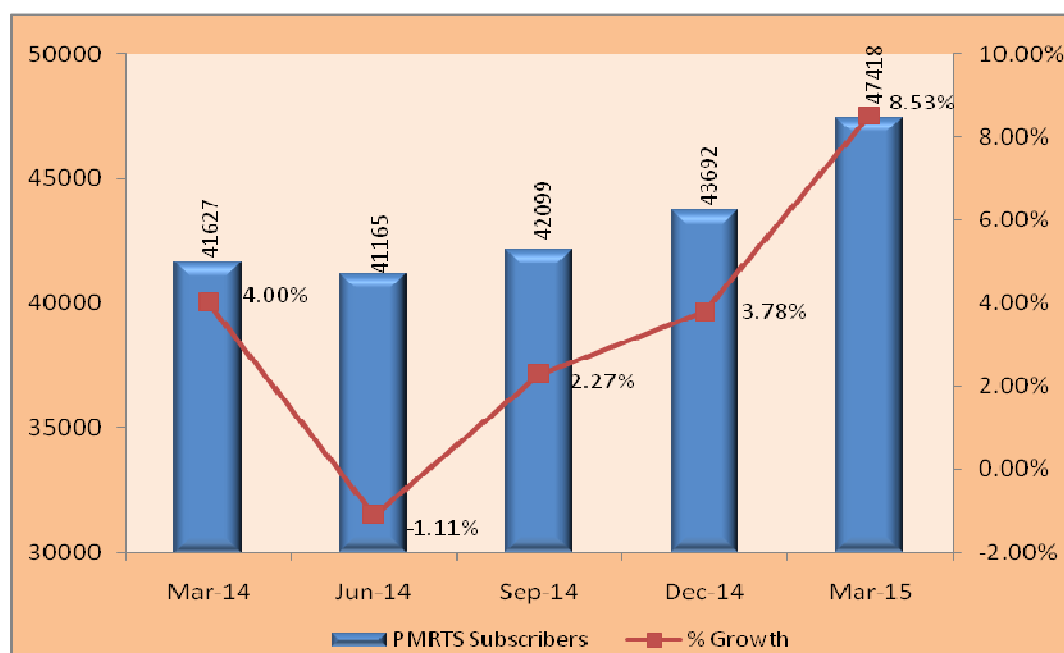
Public Mobile Radio Trunk Services (PMRTS)

1.58 The subscriber base of PMRTS increased from 43,692 at the end of Dec-14 to 47,418 at the end of Mar-15 with quarterly growth rate of 8.53%.

Table 1.28 : PMRTS Subscriber base - Service Provider wise

Sr. No.	Name of the Service Provider	Subscriber Base as on 31.12.2014	Subscriber Base as on 31.03.2015	%age Growth in Subscribers	%age in Market Share as on 31.03.2015
1	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	39887	43598	9.30	91.94
2	Procall Ltd.	1605	0	-100	0.00
3	QuickCall	2064	2000	-3.10	4.22
4	Smartalk Pvt Ltd.	31	0	-100	0.00
5	Bhilwara Telenet Services Pvt.Ltd.	105	0	-100	0.00
6	Inative Networks Pvt Ltd	0	1820	-	3.81
	Total	43692	47418	8.53	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 2,30,231 at the end of Dec-14 to 2,36,334 at the end of Mar-15. Net addition during the quarter has been 6,103 at the quarterly growth rate of 2.65%.

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

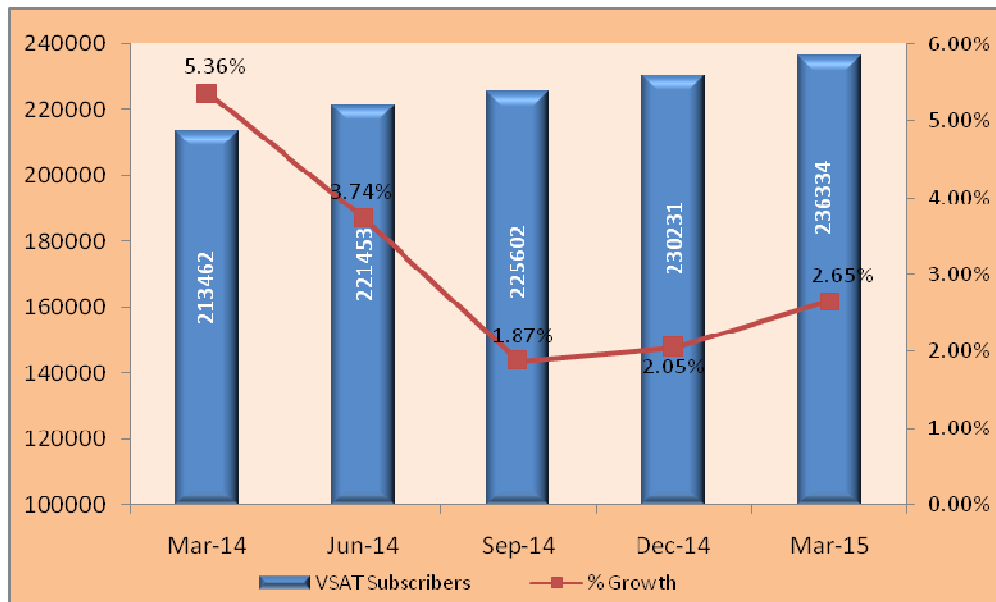
Sr. No	Name of Service Providers	Subscriber base at the Quarter ending		%age Growth	Market Share (%) Mar-15
		Dec-14	Mar-15		
1	Hughes Communications Ltd.	98867	102606	3.78	43.42
2	Bharti Airtel Limited,	54716	55547	1.52	23.50
3	Tatanet Services Limited	32343	35996	11.29	15.23
4	HCL Comnet	20468	20572	0.51	8.70
5	BSNL	17031	17618	3.45	7.45
6	Infotel Satcom	1628	1588	-2.46	0.67
7	Essel Shyam	374	164	-56.15	0.07
8	Infinium India Ltd.	2721	0	-100	0.00
9	National Informatics Centre Services Incorporated (NICSI)	2083	2243	7.68	0.95
	Total	230231	236334	2.65	100

1.61 Hughes Communication Limited continues to be the market leader with subscriber base of 1,02,606 followed by Bharti Airtel Ltd (55,547) at the end of Mar-15.

1.62 M/s Tatanet Service Limited has recorded maximum growth rate of 11.29% followed by M/s NICSI (7.68%).

1.63 M/s Infinium (India) Limited reported zero subscribers for this quarter due to closer of its services on 31.3.2015 and surrendered 7.8 MHz Bandwidth to Antrix (ISRO) w.e.f. 1.4.2015, since, they had planned to shift entire hub facility to a new location. It has also been informed that it had made necessary arrangement with M/s Tatanet Services Limited (a VSAT Service Provider) for smooth migration of all its existing VSATs to hub facility of M/s Tatanet Services.

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 January, 2015 to 31st March, 2015 in the various service areas.

Section A: GSM Service

Table 2.1: Key Indicators - GSM Service

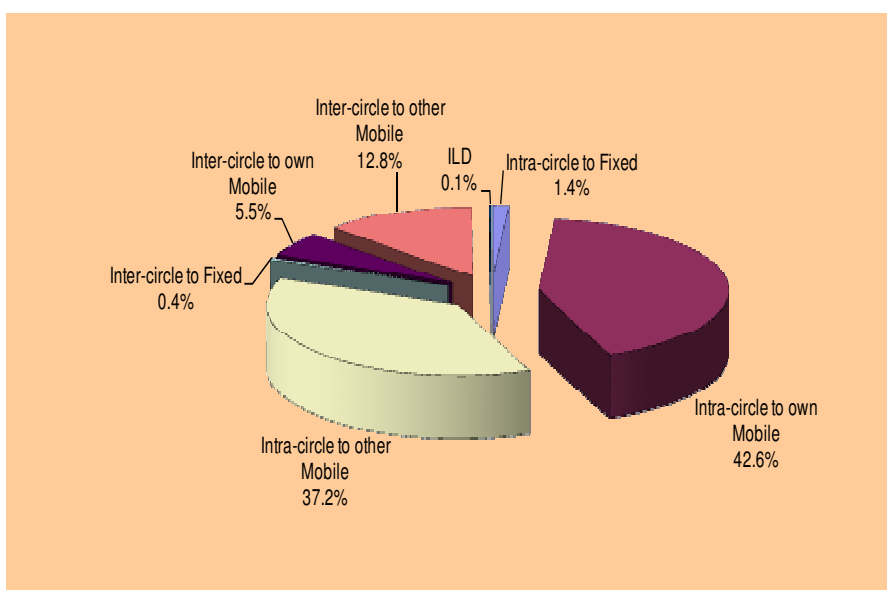
Parameter	Q.E. Mar-15	Q.E. Dec-14	Q.E. Mar-14	QoQ %age change over Dec-14	YoY %age change over Mar-14
Subscriber Base# (million)	917.67	890.38	846.72	3.06	8.38
Share of Prepaid (%)	95.64	95.71	95.92	-0.08	-0.30
Incoming MOU* per subscriber per month	197	194	201	1.37	-1.83
Outgoing MOU* per subscriber per month	186	182	188	1.94	-1.24
No. of Outgoing SMS per subscriber per month	24	25	27	-6.06	-10.53
Average Revenue Per User (ARPU) per month	120	118	113	1.65	6.14

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

* Minutes of Usage

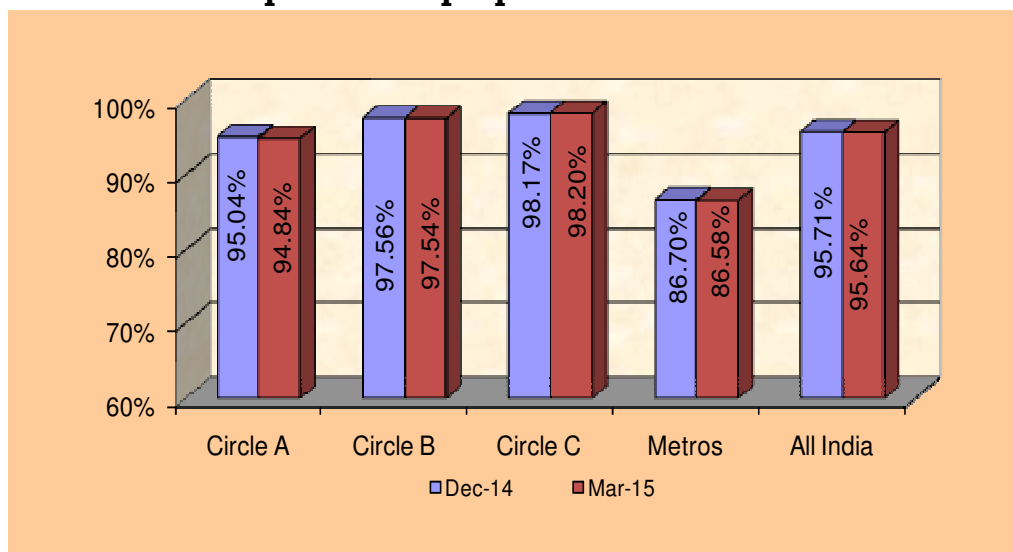
2.1 The following chart presents % break-up of outgoing minutes from Home Service Area (HSA) in the QE Mar-15.

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 95.71% at the end of Dec-14 to 95.64% at the end of Mar-15.

2.4 The ARPU per month (all India, blended) increased from Rs.118 in Q.E. Dec-14 to Rs.120 in Q.E. Mar-15. 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. March, 2015 (in Rs)		
	Post-paid	Pre-paid	Blended
Circle A	465	110	128
Circle B	441	102	110
Circle C	467	99	105
Metros	490	109	160
All India	467	105	120
All private SPs	473	105	121
BSNL/MTNL	408	101	114

2.5 The ARPU per month for pre-paid segment increased from Rs.103 in QE Dec-14 to Rs.105 in QE Mar-15 and the ARPU per month for post-paid segment also increased from Rs.466 in QE Dec-14 to Rs.467 in QE Mar-15.

2.6 The following table presents the composition of ARPU per month in the QE Mar-15.

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	21.73	16.8
1.2.	Revenue from calls	67.50	52.0
1.3.	Revenue from SMS	3.46	2.7
1.4.	Revenue from data usage	22.88	17.6
1.5.	Revenue from other VAS	5.15	4.0
1.6.	Other revenue	2.03	1.6
2	Usage outside Home Service Area		
2.1.	Revenue from outroamers	6.93	5.3
3	Total revenue from subscribers (1+2)	129.68	100
4	Net inter-operator settlement charges receivable *	-9.26	
5	Net Revenue (ARPU) per month(3+4)	120.41	

* 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.9.26) accounts for 7.14% of the total revenue from subscribers.

2.8 On an all India average, the overall minutes of usage (MOU) per subscriber per month increased from 376 in QE Dec-14 to 383 in QE Mar-15.

2.9 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	556	402	958	167	168	335	187	180	367
Circle B	554	370	925	163	196	359	173	200	373
Circle C	539	368	906	179	230	409	186	232	418
Metro	519	354	874	194	167	360	237	192	429
All India	544	379	923	169	189	358	186	197	383

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

2.10 The overall ratio of incoming MOU and outgoing MOUs for the QE Mar-15 is 51:49.

2.11 No. of outgoing SMS per subscriber per month decreased from 25 in Q.E. Dec-14 to 24 in Q.E. Mar-15. 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	70	29	31
Circle B	54	19	19
Circle C	33	13	13
Metro	68	26	32
All India	64	22	24

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

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

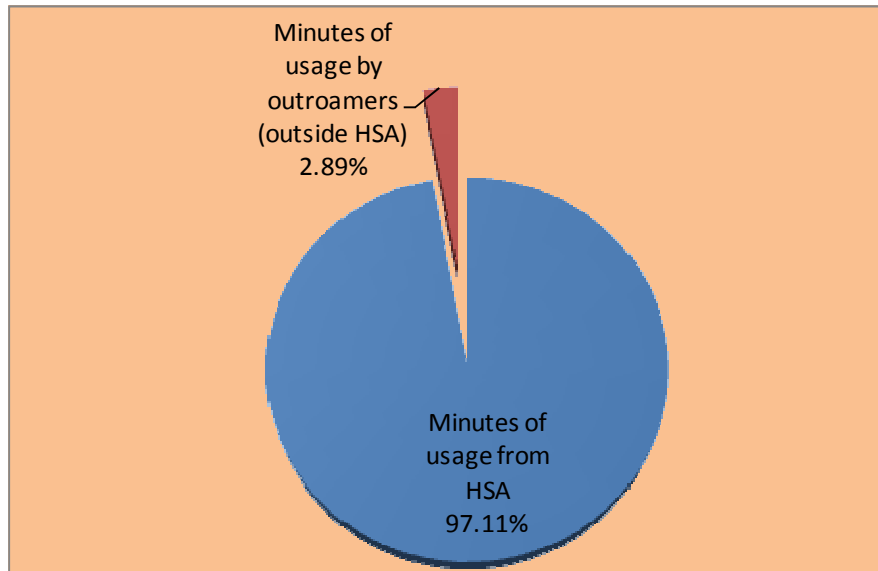
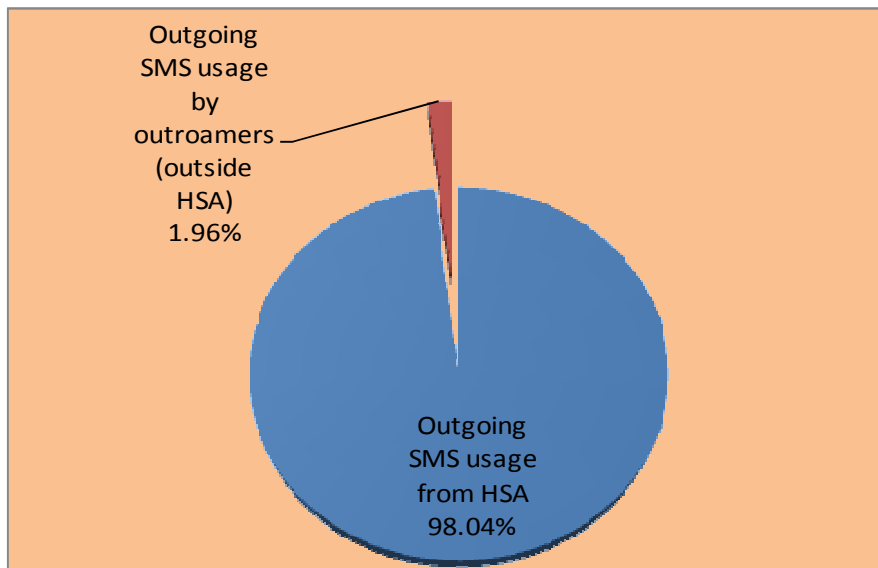


Chart 2.4: Outgoing SMS Usage by Out-roamers as a % of Total No. of Outgoing SMS Usage



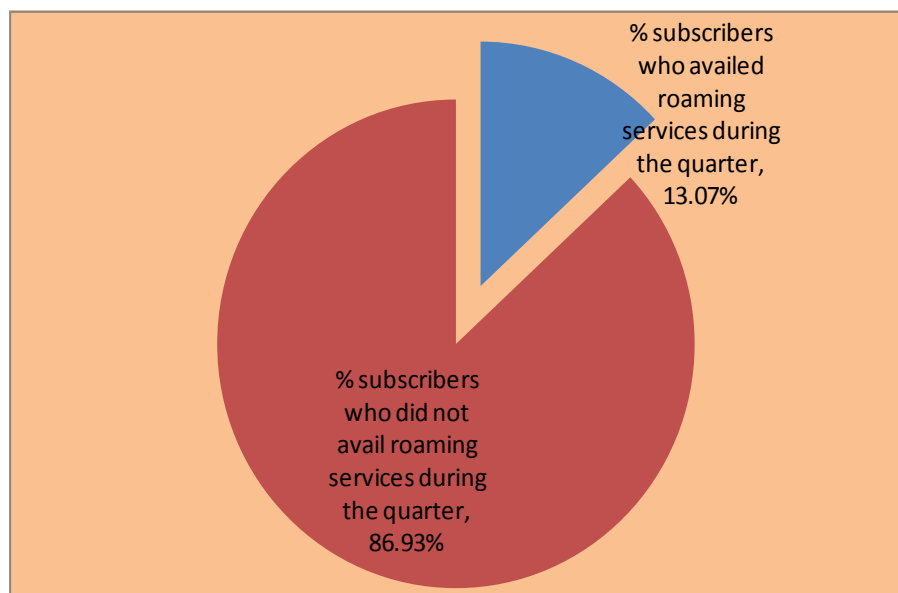
2.12 The following table presents the percentage break-up of outgoing minutes of usage from home service area between various categories of termination networks.

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

Circle Category	% Intra-circle to wireline	% Intra-circle to own wireless	% Intra-circle to other wireless	% Inter-circle to wireline	% Inter-circle to own wireless	% Inter-circle to other wireless	% ILD
Circle A	1.29	39.65	41.83	0.29	4.68	12.14	0.12
Circle B	0.85	46.83	36.45	0.36	5.05	10.37	0.10
Circle C	0.94	52.69	32.13	0.56	4.47	9.16	0.04
Metros	3.77	24.91	31.51	1.03	10.98	27.52	0.29
All India	1.36	42.56	37.17	0.44	5.52	12.82	0.12

2.13 The chart given below presents the percentage of subscribers who availed roaming services (out-roamers) during the quarter ending Mar-15.

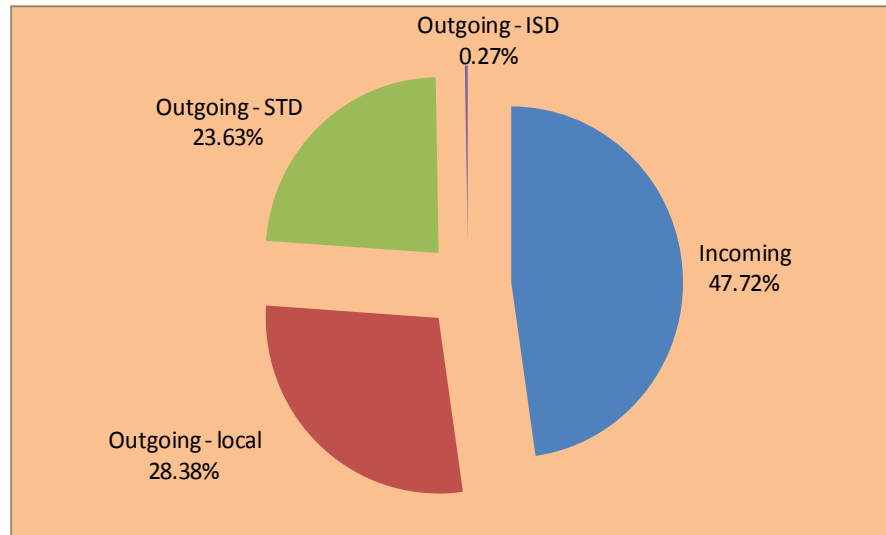
Chart 2.5: % subscribers who availed roaming services during the quarter



2.14 The usage pattern of out-roamers i.e. usage from outside the home service area shows that incoming minutes accounts for 47.72% of the total minutes of usage by out-roamers as against 47.15% in the previous quarter.

2.15 The chart given below presents the break-up of minutes of usage of out-roamers during the QE Mar-15.

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



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

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

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

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

(₹ per minute)

Circle Category	Postpaid	Prepaid	Blended
Circle A	0.54	0.52	0.52
Circle B	0.53	0.47	0.47
Circle C	0.58	0.43	0.44
Metros	0.63	0.53	0.56
All India	0.57	0.49	0.50

2.17 All India average subscriber outgo per outgoing minute decreased from ₹ 0.51 in the QE Dec-14 to ₹ 0.50 in the QE Mar-15.

Table 2.8: Trends of Key Parameters - GSM Service

Parameter	Mar-14	Jun-14	Sep-14	Dec-14	Mar-15
1. ARPU (₹ Per month)	113	119	116	118	120
2. MOU per subscriber per month	389	390	376	376	383
3. Outgoing MOU per subscriber per month					
3.1 Local (Intra-circle)	151	153	146	146	149
3.2 NLD (inter-circle)	37	36	36	36	36
3.3 ILD	0.3	0.3	0.3	0.3	0.2
4. No. of Outgoing SMS per subscriber per month	27	25	24	25	24
5. Average subscriber Outgo per outgoing minute from HSA (₹)	0.50	0.51	0.50	0.51	0.50

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

Section B: CDMA - Full Mobility Service

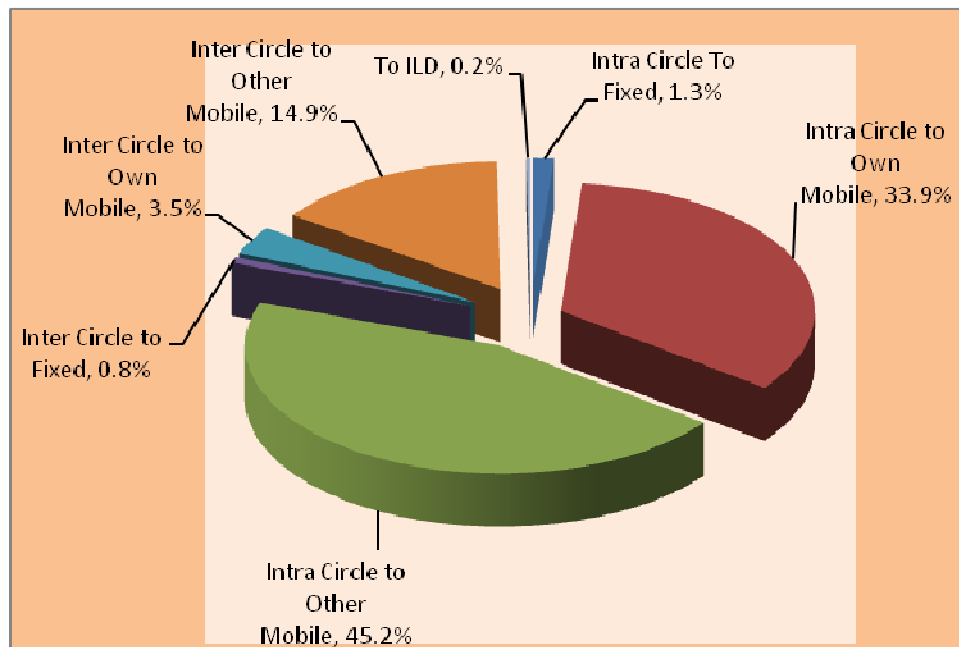
Table 2.9: Key Indicators - CDMA Full Mobility Service

Parameters	QE Mar-15	QE Dec-14	QE Mar-14	QoQ change (%)	YoY change (%)
Subscriber Base in Millions*	42.17	43.06	46.34	-2.08	-9.00
Share of Prepaid (%)	88.7	88.9	89.8	-0.19	-1.25
Incoming MOUs per subscriber per month	120.82	122.55	133.01	-1.41	-9.16
Outgoing MOUs per subscriber per month	144.34	139.43	142.45	3.52	1.33
ARPU (Rs. per month)	108.21	108.61	104.98	-0.37	3.07

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

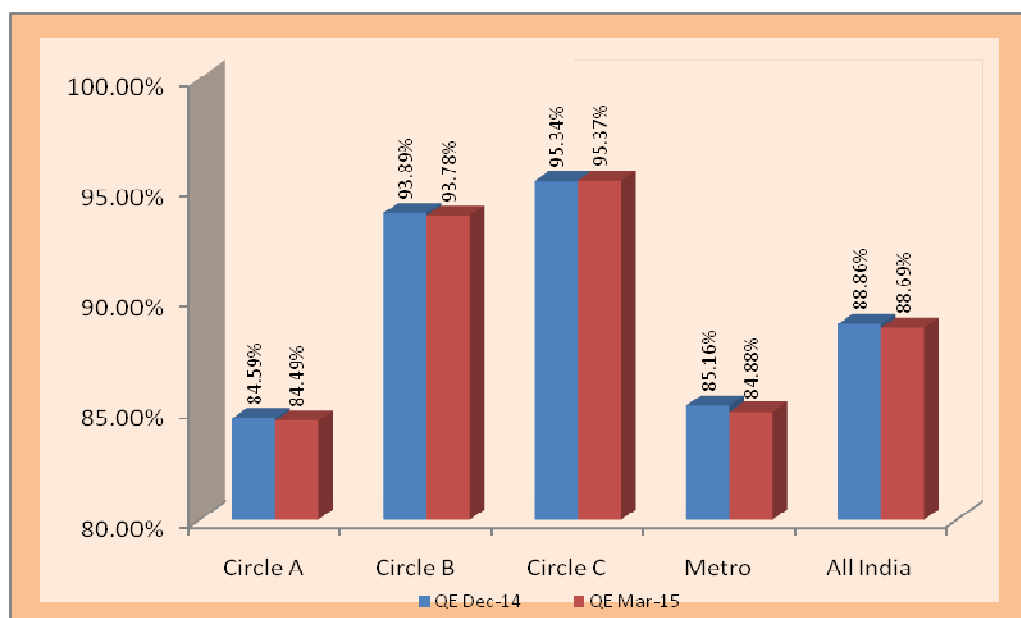
2.19 The following chart depicts % break-up of outgoing minutes from home service area (HSA).

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



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

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



2.21 Market share of Prepaid segment decreased from 88.86% in QE Dec-14 to 88.69% in QE Mar-15.

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

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

Circle category	Postpaid	Prepaid	Blended ARPU
Circle A	481	71	135
Circle B	445	53	77
Circle C	446	44	63
Metro	554	58	132
All India	501	58	108

2.23 The All India blended Average Revenue Per User (ARPU) per month has shown a decrease of 0.37% from Rs.108.61 in QE Dec-14 to Rs.108.21 in QE Mar-15.

2.24 ARPU for Prepaid service decreased by 5.83% from Rs.62.08 in QE Dec-14 to Rs.58.46 in QE Mar-15. ARPU for Postpaid service increased by 3.94% from Rs.481.99 in QE Dec-14 to Rs.501.00 in QE Mar-15.

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	22.91	19.02
1.2	Revenue from Calls	40.45	33.60
1.3	Revenue from SMS	3.15	2.62
1.4	Revenue from data usage	45.80	38.03
1.5	Revenue from other VAS	2.94	2.44
1.6	Other Revenue	3.03	2.51
2	Usage Outside Home Service Area		
2.1	Revenue from Out-roamers	2.13	1.77
3	Total Revenue from Subscribers (1+2)	120.41	
4	Net inter-operator settlement charges receivable*	-12.21	
5	Net Revenue (ARPU) (3+4)	108.21	

* Includes Interconnect Usage Charges and roaming settlement charges

2.25 From the above table, it may be seen that the net inter-operator settlement charges payable (Rs.12.21) accounts for 10.14% of total revenue from subscribers.

2.26 Revenue from data usage per subscriber per month (for usage from HSA) increased by 1.53% from Rs.45.11 in QE Dec-14 to Rs.45.80 in QE Mar-15.

2.27 The total MOUs per subscriber per month increased by 1.21%, from 262 in QE Dec-14 to 265 in QE Mar-15. The outgoing MOUs increased by 3.52%, whereas incoming MOUs decreased by 1.41% during this quarter.

2.28 Prepaid MOUs per subscriber per month decreased by 1.05%, whereas postpaid MOUs per subscriber per month increased by 11.55% during this quarter.

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	221	170	391	111	105	216	128	115	243
Circle B	367	259	627	144	130	274	158	138	296
Circle C	641	423	1064	164	140	304	187	153	340
Metro	222	138	361	116	89	205	132	97	228
All India	264	184	447	129	113	242	144	121	265

Note: MOU 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

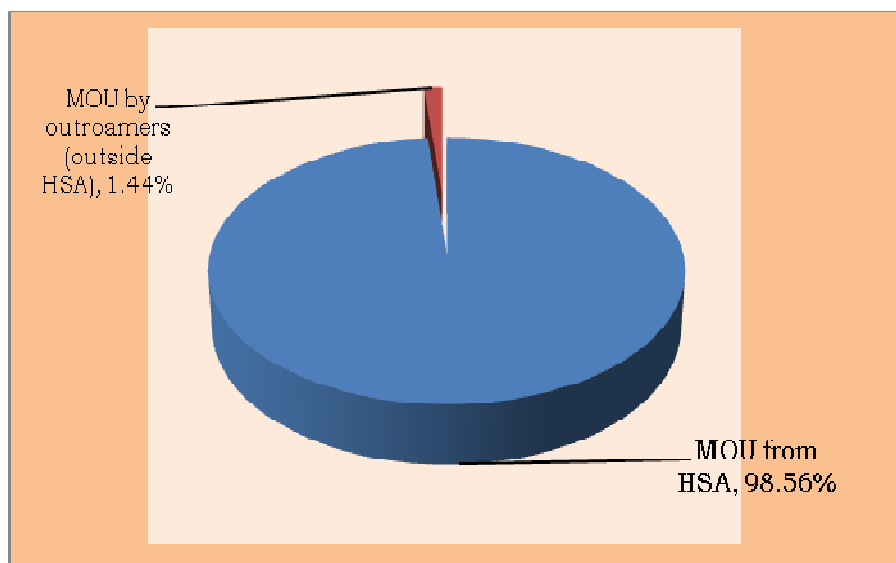


Table 2.13: %Break-up of Outgoing minutes from Home Service Area (HSA) - CDMA Full Mobility Service

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	1.91	31.05	52.93	0.78	2.49	10.33	0.51
Circle B	0.72	40.62	45.32	0.61	3.30	9.34	0.10
Circle C	1.23	33.58	45.67	1.44	3.23	14.81	0.04
Metro	1.71	27.25	37.52	0.66	5.04	27.54	0.28
All India	1.34	33.94	45.24	0.76	3.54	14.94	0.24

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

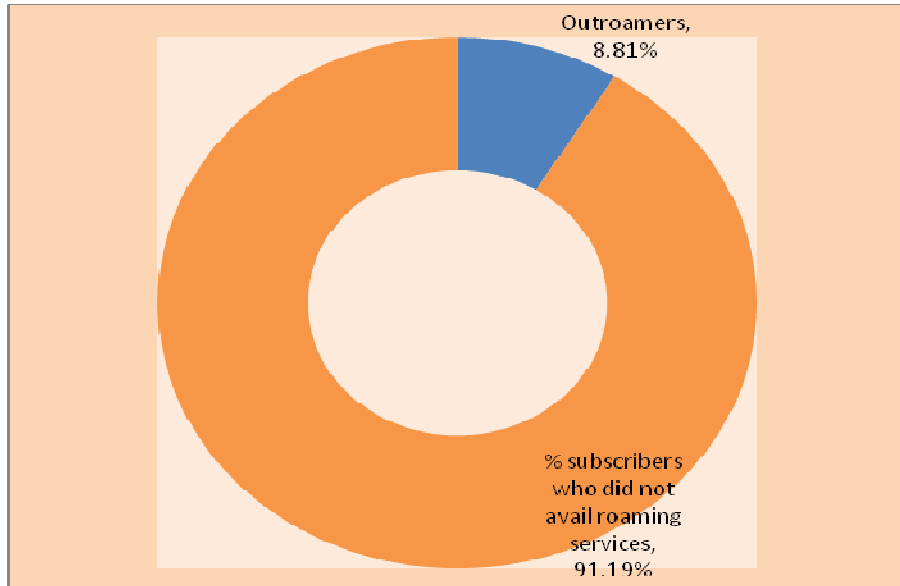


Chart 2.11: Percentage breakup of minutes of usage of Out-roamers (usage from outside the Home Service Area)

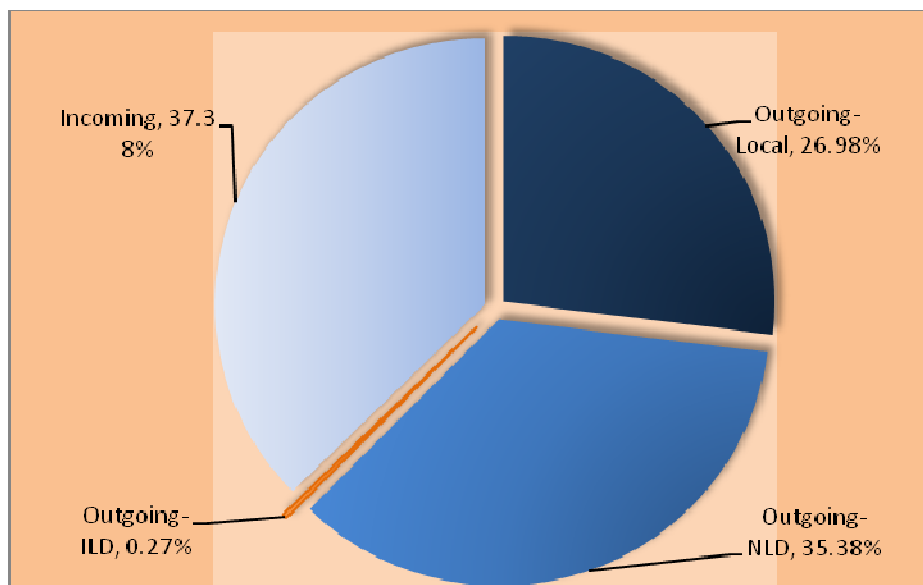


Table 2.14: Average subscriber outgo per outgoing minute from HSA - CDMA Full Mobility Service

Circle Category	[₹ Per min]		
	Postpaid	Prepaid	Blended
Circle A	0.92	0.40	0.54
Circle B	0.58	0.28	0.32
Circle C	0.51	0.27	0.31
Metros	1.11	0.42	0.59
All India	0.86	0.34	0.45

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 2.15: Trends of Key Parameters - CDMA Full Mobility Service

Parameter	Mar-14	Jun-14	Sep-14	Dec-14	Mar-15
1. ARPU (₹ Per month)	105	112	110	109	108
2. MOU per subscriber per month	275	283	267	262	265
3. Outgoing MOU per subscriber per month					
3.1 Local (Intra-circle)	112	115	110	110	114
3.2 NLD (inter-circle)	28	28	28	27	27
3.3 ILD	0.28	0.31	0.34	0.32	0.35
4. Average subscriber Outgo per outgoing minute from HSA (₹)	0.47	0.48	0.47	0.47	0.45

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

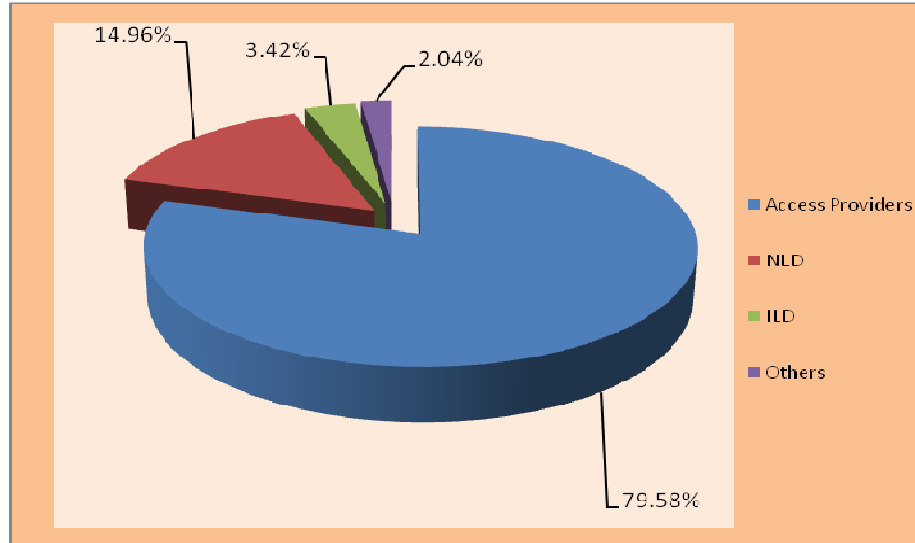
Particulars	QE Mar-14 (₹ in Crore)	QE Dec-14 (₹ in Crore)	QE Mar-15 (₹ in Crore)	Q-O-Q % Change Over Sep-14	Y-O-Y % Change over Dec-13
Gross Revenue (GR)	60716	63955	65227	1.99	7.43
Adjusted Gross Revenue (AGR)	41016	43591	45158	3.60	10.10
Pass Through (GR-AGR)	19700	20364	20069	-1.45	1.87
License Fee	3286	3489	3617	3.67	10.09
Spectrum Usage Charges	1583	1756	1771	0.87	11.89

- 3.1 Gross Revenue(GR) and Adjusted Gross Revenue(AGR) increased by 1.99% and 3.60% respectively in the QE Mar-15.
- 3.2 Pass through decreased by 1.45% in the QE Mar-15, whereas on annual basis it has increased by 1.87%.
- 3.3 Pass-through charges as % Gross Revenue: 30.77% in QE Mar-15 as against 31.84% 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	49292	35938	2877	1768
NLD	8923	6754	542	-
ILD	3813	1544	124	-
Others	3198	921	74	4
Total	65227	45158	3617	1771

Chart 3.1: Composition of Adjusted Gross Revenue



3.4 Access services contributed 79.58% to the total Adjusted Gross Revenue (AGR) of telecom services. In Access services, Gross Revenue (GR), Adjusted Gross Revenue(AGR), License Fee and Spectrum Usage Charges(SUC) increased by 1.97%, 4.04%, 4.06% and 0.85% respectively and Pass Through Charges declined by 3.21% in QE Mar-15.

3.5 Monthly ARPU based on AGR for Access services increased from ₹119.47 for Q.E. Dec-14 to ₹121.81 for Q.E. Mar-15. Chart below shows the trend in ARPU.

Chart 3.2: Trend in ARPU per month for Access Services

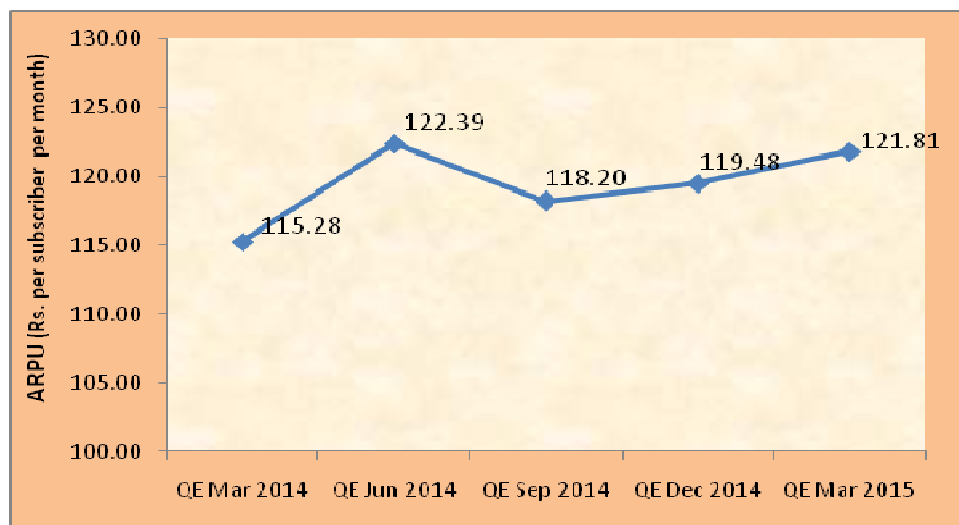


Table 3.3: Access Services - Service Provider wise Adjusted Gross Revenue

(₹ in Crore)

Service Providers	QE Dec-14	QE Sep-14	% Change
Bharti	10439.09	10300.39	1.35
Vodafone	7828.29	7683.36	1.89
Idea	6396.23	5999.48	6.61
BSNL	3108.56	2752.75	12.93
Tata	2444.57	2395.85	2.03
Reliance	1830.89	1859.91	-1.56
Aircel	1971.80	1854.99	6.30
MTNL	801.87	619.04	29.53
Telewings	763.88	725.98	5.22
Sistema Shyam	290.80	285.99	1.68
Quadrant	6.11	36.29	-83.17
Videocon	56.17	27.92	101.14
Grand Total (Access)	35938.26	34541.96	4.04

3.6 Public Sector Undertakings' share in the Access AGR of telecom services is 10.88% in the QE Mar-15.

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

Category	Access AGR for QE Mar-15 (Rs. in crore)	%age share of AGR
Metro	5639.77	15.69
A	13698.49	38.12
B	12330.87	34.31
C	4269.13	11.88
Total	35938.26	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			
			Q.E. Dec-14		Q.E. Mar-15	
			Out Of 183 (Nos.)	Out Of 183 (%)	Out Of 184 (Nos.)	Out Of 184 (%)
I.	Network Related Parameters					
1	Network Availability					
(i)	BTSS Accumulated downtime (not available for service)	≤ 2%	10	5.46%	8	4.35%
(ii)	Worst affected BTSS due to downtime	≤ 2%	13	7.10%	12	6.52%
2	Connection Establishment (Accessibility)					
(i)	Call Set-up Success Rate (within licensee's own network)	≥ 95%	2	1.09%	4	2.17%
(ii)	SDCCH/ Paging Chl. Congestion	≤ 1%	4	2.19%	6	3.26%
(iii)	TCH Congestion	≤ 2%	6	3.28%	5	2.72%
3	Connection Maintenance (Retainability)					
(i)	Call Drop Rate	≤ 2%	5	2.73%	3	1.63%
(ii)	Worst affected cells having more than 3% TCH drop (call drop) rate	≤ 3%	25	13.66%	23	12.50%
(iii)	Connection with good voice quality	≥ 95%	9	4.92%	6	3.26%
4	Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark) (Averaged over a period of quarter)	≤ 0.5%	4	2.19%	2	1.09%
II.	Customer Service Quality Parameters					
5	Metering and Billing					
(i)	Metering and billing credibility - post paid	≤ 0.1%	8	4.37%	3	1.63%

S. No.	Parameters	Benchmark	No. of CMTS Licensees not Meeting the Benchmarks			
			Q.E. Dec-14		Q.E. Mar-15	
			Out Of 183 (Nos.)	Out Of 183 (%)	Out Of 184 (Nos.)	Out Of 184 (%)
(ii)	Metering and billing credibility - pre paid	≤ 0.1%	9	4.92%	2	1.09%
	Resolution of billing/charging/validity complaints	98% within 4 weeks	4	2.19%	2	1.09%
	Resolution of billing/charging/validity complaints	100% within 6 weeks	1	0.55%	1	0.54%
(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	1	0.55%	2	1.09%
6	Response time to the customer for assistance					
(i)	Accessibility of call centre/ customer care	≥ 95%	11	6.01%	10	5.43%
(ii)	%age of calls answered by the operators (voice to voice) within 90 seconds	≥ 95%	66	36.07%	62	33.70%
7	Termination / closure of service					
(i)	%age requests for Termination / Closure of service complied within 7 days	100% within 7 days	2	1.09%	3	1.63%
(ii)	Time taken for refund of deposits after closures	100% within 60 days	8	4.37%	16	8.70%

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

- a. BTSs Accumulated downtime (not available for service)
- b. Worst affected BTSs due to downtime
- c. Traffic Channel (TCH) Congestion
- d. Call Drop Rate
- e. Worst affected cells having more than 3% TCH drop rate

- f. Connection with good voice quality
- g. Point of Interconnection (POI) Congestion (No. of POIs not meeting benchmark) (Average over a period of quarter)
- h. Metering and billing credibility - post paid
- i. Metering and billing credibility - pre paid
- j. Resolution of billing /charging/ validity complaints (98% within 4 weeks)
- k. Accessibility of call centre/ customer care
- l. %age of calls answered by the operators (voice to voice) within 90 sec

4.2 The performance has deteriorated 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. Standalone Dedicated Control Channel (SDCCH)/Paging Channel and Congestion
- c. Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of complaints
- d. %age requests for Termination / Closure of service complied within 7 days.
- e. Time taken for refund of deposits after closure

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

Parameter	Benchmark	Service Provider	Service Area	Performance
BTSs Accumulated downtime (not available for service) (%age)	≤ 2%	Aircel	Assam	3.33
			Bihar	2.82
			North East	7.17
		BSNL	Assam	2.12
			Bihar	10.54
			Kolkata	3.24
			North East	3.00
West Bengal	3.14			
Worst affected BTSs due to downtime (%age)	≤ 2%	Aircel	Assam	18.18
			Bihar	15.69
			Jammu & Kashmir	8.91
			Karnataka	2.24
			North East	37.03
			Orissa	12.26
			West Bengal	7.99
		BSNL	Assam	3.58
			Bihar	18.47
			Kolkata	17.95
Call Set-up Success Rate (within licensee's own network)	≥ 95%	Aircel	Assam	94.33
			Bihar	92.00
			North East	93.88
		BSNL	North East	94.81
		SDCCH/ Paging Chl. Congestion (%age)	≤ 1%	Aircel
Bihar	1.35			
Jammu & Kashmir	1.21			
North East	1.24			
BSNL	North East			3.42
	West Bengal			1.76
TCH Congestion (%age)	≤ 2%			Aircel
		Bihar	7.51	
		Jammu & Kashmir	4.46	
		North East	4.72	
		BSNL	North East	4.19
Call Drop Rate (%age)	≤ 2%	Aircel	Haryana	4.04
		BSNL	Bihar	2.85
			North East	3.98
Worst affected cells having more than 3% TCH drop	≤ 3%	Aircel	Andhra Pradesh	6.36
			Assam	13.26
			Bihar	9.75
			Delhi	7.33
			Haryana	3.92
			Himachal Pradesh	11.04
Jammu & Kashmir	10.60			

Parameter	Benchmark	Service Provider	Service Area	Performance
Worst affected cells having more than 3% TCH drop	≤ 3%	Aircel	Karnataka	8.80
			Maharashtra	4.25
			Mumbai	6.75
			North East	17.99
			Orissa	11.65
			Punjab	3.55
			Rajasthan	3.15
			Tamil Nadu	6.16
		West Bengal	10.16	
		BSNL	Assam	3.45
			Bihar	8.98
			North East	11.46
			Punjab	18.91
West Bengal	7.74			
MTS	Gujarat	3.63		
Vodafone	Delhi	4.15		
Connection with good voice quality	≥ 95%	Aircel	Assam	91.40
			North East	93.03
		BSNL	Assam	94.67
			North East	92.61
		Telewings	Bihar	94.22
UP-East	93.55			
Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark)	≤ 0.5%	BSNL	Punjab	2
		Vodafone	UP-East	2
Metering and billing credibility - post paid	≤ 0.1%	Idea	Mumbai	0.12
		Vodafone	Assam	0.27
			North East	0.16
Metering and billing credibility - pre paid	≤ 0.1%	Telewings	Bihar	0.17
	≤ 0.1%	BSNL	Punjab	0.14
Resolution of billing/charging complaints	98% within 4 weeks	BSNL	Kerala	85.65
			North East	97.67
Resolution of billing/charging complaints	100% within 6 weeks	BSNL	Kerala	95.60
Period of applying credit/waiver/adjustment to customer's account from the date of resolution of complaints	within 1 week of resolution of complaint	Vodafone	Kolkata	99.23
			West Bengal	99.38
Accessibility of call centre/ customer care	≥ 95%	Aircel	Assam	92.83
			Bihar	92.42
			Delhi	91.04
			Karnataka	89.88
			Kolkata	59.59
Orissa	67.36			

Parameter	Benchmark	Service Provider	Service Area	Performance
Accessibility of call centre/ customer care	≥ 95%	Aircel	Punjab	93.11
			Rajasthan	85.08
			West Bengal	34.81
		Idea	Bihar	94.41
Percentage of calls answered by the operators (voice to voice) within 90 seconds	≥ 95%	Aircel	Andhra Pradesh	93.23
			Assam	92.97
			Karnataka	89.66
			Kolkata	86.25
			Mumbai	93.02
			Rajasthan	84.38
			UP-East	94.49
			UP-West	90.93
		Airtel	Andhra Pradesh	92.14
			Bihar	88.97
			Delhi	89.57
			Gujarat	94.63
			Jammu & Kashmir	89.44
			Karnataka	80.59
			Kolkata	88.48
			Maharashtra	93.04
			Mumbai	94.51
			North East	94.97
			Rajasthan	93.90
			UP-East	94.23
			UP-West	83.47
			West Bengal	88.27
		BSNL	Andhra Pradesh	86.00
			Assam	94.57
			Haryana	84.94
			Himachal Pradesh	85.52
			Jammu&Kashmir	85.00
			Karnataka	92.30
			Punjab	88.75
			Rajasthan	90.25
		RCOM CDMA	Andhra Pradesh	94.18
			Bihar	90.75
Gujarat	85.65			
Karnataka	70.72			
Maharashtra	83.98			
Mumbai	91.66			
Tamilnadu	89.91			
UP-East	89.17			
RCOM GSM	Gujarat	64.05		
	Haryana	92.03		
	Jammu & Kashmir	81.00		
	Karnataka	51.90		
	Kerala	82.79		

Parameter	Benchmark	Service Provider	Service Area	Performance
Percentage of calls answered by the operators (voice to voice) within 90 seconds	≥ 95%		Maharashtra	83.03
			Mumbai	91.37
			Tamilnadu	87.68
		RTL	Assam	84.29
			Bihar	87.91
			Himachal Pradesh	92.43
			Kolkata	92.12
		TATA CDMA	West Bengal	93.74
			Kolkata	93.31
		TATA GSM	Mumbai	94.05
			Andhra Pradesh	92.40
			Bihar	94.64
			Haryana	94.11
			Kolkata	91.22
			Maharashtra	94.65
			Mumbai	94.26
Tamil Nadu	93.48			
Vodafone	UP-West	91.76		
	Rajasthan	91.71		
%age requests for Termination / Closure of service complied within 7 days	100% within 7 days	Aircel	Tamil Nadu	99.99
		BSNL	UP-West	99.90
		Idea	Rajasthan	99.56
Time taken for refund of deposits after closures	100% within 60 days	Aircel	Mumbai	99.46
		TATA CDMA	Andhra Pradesh	99.65
			Gujarat	98.90
			Karnataka	96.78
			Kerala	98.00
			Kolkata	99.26
			Mumbai	99.73
			Rajasthan	99.63
		Tamil Nadu	98.62	
		TATA GSM	Gujarat	99.68
			Kerala	99.62
		Vodafone	Assam	99.90
			Chennai	92.00
North East	99.80			
Rajasthan	96.00			
Tamilnadu	95.00			

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

Part-II : 3G Wireless Services

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

Table 4.3: QoS Summary - 3G Wireless Service

S. No.	Parameters		Bench mark	No. of CMTS Licensees not Meeting the Benchmarks			
				Q.E. Dec-14		Q.E. Mar-15	
				Out of 94 (Nos.)	Out of 94 (in %)	Out Of 94 (Nos.)	Out of 94 (in %)
1	Network Availability	BTSs and Node-B's Accumulated downtime (not available for service) (%age)	≤ 2%	7	7.45%	4	4.26%
		Worst affected BTSs and 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%	1	1.06%	2	2.13%
		SDCCH/Paging Channel and RRC Congestion (%age)	≤ 1%	4	4.26%	1	1.06%
		TCH and Circuit Switched RAB Congestion (%age)	≤ 2%	2	2.13%	1	1.06%
3	Connection Maintenance (Retainability)	Call Drop and Circuit Switched Voice Drop Rate: (%age)	≤ 2%	0	0	0	0
		Worst affected cells having more than 3% TCH drop (call drop) and Circuit Switched Voice Drop Rate:-CBBH	≤ 3%	15	15.96 %	15	15.96%
		Connections with good voice quality and Circuit Switch Voice Quality (CSV quality)	≥ 95%	1	1.06%	2	2.13%
4	Point of Interconnection	Point of Interconnection (POI) Congestion	≤ 0.5%	2	2.13%	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. BTSs and Node-B's Accumulated downtime (not available for service) (%age)
- b. Standalone Dedicated Control Channel (SDCCH)/Paging Channel and RRC Congestion (%age)
- c. TCH and Circuit Switched RAB Congestion (%age)

4.6 The performance has deteriorated 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. Connection with good voice quality and Circuit Switch Voice Quality (CSV quality)

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

Parameter	Benchmark	Service Provider	Service Area	Performance
BTSs and Node-B's Accumulated downtime (not available for service) (%age)	≤ 2%	Aircel	NE	9.16
		BSNL	BH	5.22
			KOL	5.07
			NE	2.27
Worst affected BTSs and Node-B's due to downtime (%age)	≤ 2%	Aircel	ASM	9.22
			BH	8.96
			JK	13.52
			KOL	2.15
			NE	40.55
			OR	6.88
			WB	4.82
		BSNL	BH	21.47
			KOL	23.03
			NE	10.40
Call Set-up Success Rate (within licensee's own network)	≥ 95%	Aircel	TN	92.58
			NE	94.17
		BSNL		

Parameter	Benchmark	Service Provider	Service Area	Performance
SDCCH/Paging Channel and RRC Congestion (%age)	≤ 1%	BSNL	NE	3.55
TCH and Circuit Switched RAB Congestion (%age)	≤ 2%	BSNL	NE	4.78
Worst affected cells having more than 3% TCH drop (call drop) and Circuit Switched Voice Drop Rate:-CBBH	≤ 3%	Aircel	AP	7.88
			ASM	13.71
			BH	13.87
			JK	14.61
			KTK	11.46
			NE	17.16
			OR	14.71
			PB	12.22
			TN	6.88
			UPE	8.06
		WB	4.29	
		BSNL	AP	4.97
			BH	6.37
			MP	3.03
NE	7.25			
Connections with good voice quality and Circuit Switch Voice Quality (CSV quality)	≥ 95%	BSNL	AS	94.67
			NE	94.22
Point of Interconnection (POI) Congestion	≤ 0.5%	BSNL	PB	2
		Vodafone	UPE	2

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

Section B: Quality of Service Performance of Wireline Service Providers

Table 4.5: QoS Summary - Wireline Service

S. No.	Parameters	Benchmark	No of license areas where operators not meeting the benchmarks			
			Q.E. Dec-14		Q.E. Mar-15	
			Out of 102 (in Nos.)	Out of 102 (in %age)	Out of 103 (in Nos.)	Out of 103 (in %age)
(i)	Fault incidences per 100 subs/month	≤ 7	0	0%	1	1%
(ii) a	% Fault repaired by next working day for urban areas	≥ 85%	2	2%	0	0%
(ii) c	% Fault repaired within 5 days (for urban areas)	≥100%	3	3%	2	2%
(iii)	MTTR	≤10Hs	2	2%	0	0%
(iv)	Point of Interconnection (POI) Congestion (No. of POIs not meeting benchmark)	≤ 0.5%	4	4%	2	2%
(vii) (a)	Resolution of billing/ charging/ Credit & validity complaints	98% within 4 weeks	0	0%	13	13%
		100% within 6 weeks	0	0	12	12%
(ix) a	Accessibility of call centre/ customer care	≥ 95%	10	10%	3	3%
(ix) c	%age of calls answered by the operators (voice to voice) within 90 secs	≥ 95%	32	31%	23	22%
(x)	Termination / closure of service	100% within 7 days	2	2%	1	1%
(xi)	Time taken for refund of deposits after closures	100% within 60 days	2	2%	0	0%

NOTE :

- (1) 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.
- (2) It is noted that overall performance in respect of many of the parameters have improved compared with the performance of the previous quarter.

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

- a. % Fault repaired by next working day for urban areas
- b. % Fault repaired within 5 days (for urban areas)
- c. Mean time to repair (MTTR)
- d. Faults incidences per 100 subs/month
- e. Point of Interconnection (POI) congestion (No. of POIs not meeting benchmark)
- f. Accessibility of Call Centre/Customer Care
- g. %age of calls answered by the operators (voice to voice) within 90 seconds
- h. Termination / closure of service
- i. Time taken for refund of deposits after closure
- j. Metering and billing credibility - post paid

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

- a. Fault incidences per 100 subs/month
- b. Resolution of billing/charging/credit & validity complaints (98% within 4 weeks & 100% within 6 weeks)

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

PARAMETERS	BENCHMARKS	SERVICE PROVIDER	SERVICE AREAS	Parameters not met
Faults incidences (No. of faults/100 Subs./month)	≤7	MTNL	DELHI	7.76
% Fault repaired within 5 days (for urban areas)	≥100%	MTNL	DEL	97.95%
			MUM	99.93%
Point of Interconnection (POI) Congestion (No. of PIs not meeting benchmark)	≤ 0.5%	BSNL	BH	02
			KR	01
Resolution of billing/ charging/validity complaints	98% within 4 weeks	TATA	AP	91%
			BH	0%
			DEH	67%
			GUJ	36%
			KT	89%
			KER	0%
			MP	0%
			MH	76%
			Mum	40%
			OR	0%
			PB	50%
			TN	0%
Resolution of billing/charging/validity complaints	100% within 6 weeks	TATA	AP	92%
			BR	50%
			GUJ	55%
			KT	97%
			KER	0%
			MP	0%
			MH	76%
			MUM	47%
			OR	0%
			PB	50%
			TN	0%
			KOL	0%
Response time to the customer for assistance Accessibility of call centre/ customer care	≥ 95%	BSNL	KR	93.94%
		Bharti	AP	89.17%
			KTK	78.36%

PARAMETERS	BENCHMARKS	SERVICE PROVIDER	SERVICE AREAS	Parameters not met	
%age of calls answered by the operators (voice to voice) within 90 seconds	≥ 95%	BSNL	A&N	86.33%	
			CHH	87.67%	
			GUJ	77%	
			HP	94.33%	
			HR	83.67%	
			J&K	93.33%	
			KER	93.04%	
			KOL	90%	
			MH	77%	
			MP	82%	
			NE-I	92.67%	
			OR	94.33%	
			PB	84.33%	
			RAJ	85.67%	
			UPE	34%	
			UPW	92.67%	
			UTTRA	93.67%	
		WB	91%		
		BHARTI AIRTEL LTD		GUJ	93.53%
				KER	94.97%
MH	93.65%				
MUM	93.17%				
TN	94.45%				
Termination / closure of service— %age requests for Termination / Closure of service complied within 7 days	100% within 7 days	MTNL	MUM	99.80%	

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 115 Service Providers (SPs) providing broadband (wireline) service at the end of March, 2015. Out of these SPs, 38 Service Providers are having broadband subscriber base >10,000 and market share of these 38 SPs is 99.26% 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 March, 2015.

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

S. No.	Parameter	Benchmark	No. of licensees not meeting the benchmarks			
			Q.E. Dec-14		Q.E. Mar-15	
			Out of 63 (in Nos.)	Out of 63 (in %age)	Out of 64 (in Nos.)	Out of 64 (in %age)
1	Service Provisioning	100% in =<15 working days				
(i)	%age of connections provided within 15 days of registration of demand	100%	5	7.94%	5	7.81%
2	Faults Repair					
(i)	% of faults repaired by next working day (>90%)	>90%	5	1.59%	1	1.56%
(ii)	% of faults repaired within 3 working day	=>99%	10	4.76%	3	4.69%
(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	0	4.76%	3	4.69%
(iii)	%age of cases to whom refund of deposits is made within 60 days of closures	100% within 60 weeks	0	1.59%	0	0.00%

S. No.	Parameter	Benchmark	No. of licensees not meeting the benchmarks			
			Q.E. Dec-14		Q.E. Mar-15	
			Out of 63 (in Nos.)	Out of 63 (in %age)	Out of 64 (in Nos.)	Out of 64 (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%	2	3.17%	0	0.00%
5	Bandwidth utilisation/ throughput					
(i)	No. of Intra network links having Bandwidth utilisation	>90% during peak hours (TCBH)	2	3.17%	2	3.13%
(ii)	No. of Upstream links for International connectivity having bandwidth utilisation	>90% during peak hours (TCBH)	1	1.59%	1	1.56%
(iii)	% International bandwidth utilization during peak hours (TCBH) (Enclose MRTG)	<90%	2	3.17%	0	0.00%
(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%	1	1.59%	0	0.00%
7	Packet loss (for wired broadband access) in %age	<1%	0	0.00%	0	0.00%
8	Network latency (for wired broadband access)					
(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	1	1.59%	0	0.00%
(iii)	User reference point at ISP Gateway node to International nearest NAP port abroad (satellite)	<800 ms	1	1.59%	0	0.00%

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 Providers not meeting the Benchmark
1	Service Provisioning/ Activation Time	100% in =< 15 working days	
1.2	%age of connections provided within 15 days of registration of demand	100%	MTNL - Delhi & Mumbai (99.94%) Atria - All India (98.00%) Hathway Cable - Maharashtra & Goa (99.50%) Pioneer Elabs - Hyderabad (80.00%) You Broadband - All India (99.00%)
2	Faults Repair/ Restoration Time		
2.2	% of faults repaired by next working day	>90%	MTNL - Delhi & Mumbai (89.71%)
2.3	% of faults repaired within 3 working day	=>99%	MTNL -Delhi & Mumbai (96.76%), Citycom Networks - All India (97.00%), Tata Communications - All India (98.00%)
3	Billing Performance		
3.4	%age of billing complaints resolved within 4 weeks	100%	Tata (TTML) - Mah & Goa (90.00%), Tata (TTSL) - All India (87.00%), You Broadband - All India (99.00%)
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 (2633), Smartlink - Mumbai (1)
5.4	No. of Upstream links for International connectivity having bandwidth utilisation >90% during peak hours (TCBH)	0	Smartlink - Mumbai (1)

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 Dec-14	QE Mar-15
1	Number of private satellite TV channels registered with Ministry of I&B	826	829
2	Maximum number of Pay TV Channels carried by certain cable operator in non-CAS areas	195	216
3	Maximum number of Free-to-Air (FTA) TV Channels carried by certain cable operator in non-CAS areas	182	177
4	Private FM Radio stations in operation	243	243
5	Private DTH Operators	6	6
6	Licensees of community radio stations	208	208
7	Operational community radio station	175	180

Cable TV Sector

(i) Areas served by non-addressable systems

5.1 In these areas, the maximum number of TV channels carried in digital form, as reported by a cable operator (M/s Hathway Cable & Datacom Limited), amongst those who have reported, is 393. The maximum number of TV channels carried in analog form, as reported by a cable operator (M/s Ortel Communications Limited), amongst those who have reported, is 100.

5.2 In these areas, the maximum number of Free-to-Air (FTA) channels carried, as reported by a cable operator (M/s Hathway Cable & Datacom Limited), amongst those who have reported, is 177. The maximum number of Pay channels carried, as reported by a cable operator (M/s Hathway Cable & Datacom Limited), amongst those who have reported, is 216. The maximum number of Local channels carried, as reported by a cable operator (M/s Hathway Cable & Datacom Limited), amongst those who have reported, is 22.

(ii) Areas served by digital addressable systems

5.3 The digitization, with addressability of cable TV sector is in progress, in a phased manner. It is planned to be completed in four phases. The cut-off date for migration to “Digital Addressable Cable TV Systems” for the first phase, covering four metropolitan cities, was 31.10.2012 and for second phase, covering 38 cities having population more than 1 million, was 30.03.2013. The cut-off date for third phase was 30.09.2014 and for the fourth and final phase was 31.12.2014. However, the cut-off date for third phase & fourth phase was further extended up to 31.12.2015 & 31.12.2016 respectively.

5.4 As on 31.03.2015, there are a total of 155 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 MSOs along with their permitted area of operations, is available at Annexure-5.1. This is as per the information available on the website of MIB.

Satellite TV Channels

5.5 A total of 829 private satellite TV channels have been permitted by the Ministry of Information and Broadcasting (MIB) for uplinking only/ downlinking/uplinking as on 31st March 2015.

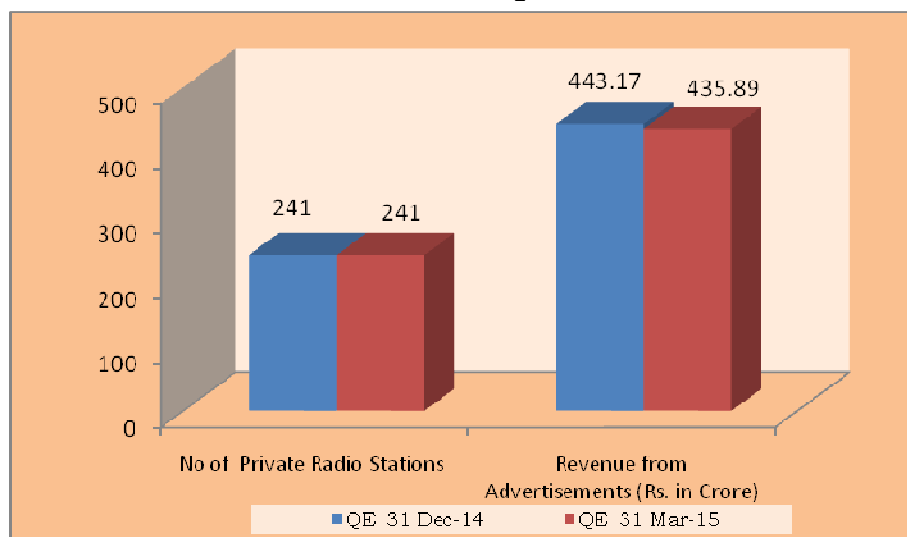
5.6 There were a total of 245 Pay channels as reported by broadcasters as on 31.01.2015. During the quarter ending Mar-15, six new pay channels i.e (i) & TV, (ii) & TV HD, (iii) Star Sports HD 3 (iv) Star Sports HD 4 (v) Asianet Movie & (vi) Suvarna Plus, were launched by the broadcasters / its distributors. Now, a list of 251 pay TV channels along with names of the respective broadcasters is placed at Annexure-5.2

FM Radio Services

5.7 Apart from the Radio Stations operated by All India Radio, Prasar Bharati – a public broadcaster, there are 243 operational private FM Radio stations as on 31st March, 2015. 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 March 2015 in respect of 241 private FM Radio stations was Rs 435.89 crores as against Rs 443.17 crores for the previous quarter. The figures are based on the details of Advertisement Revenue submitted by the FM Radio service providers to TRAI.

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



Note : Shows the figure of the preceding quarter since the current figure has not been received from M/s Positive Radio Private Limited

DTH Services

5.9 At present, apart from the free DTH service of Doordarshan, a public broadcaster, there are 6 private DTH Operators. All these private DTH Operators are offering pay DTH services. The list of pay DTH Operators is placed at Annexure 5.4.

5.10 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 76.05 million & 41.15, million respectively as on 31st March 2015

Community Radio

5.11 As per data received from MIB, as on 31st March, 2015, out of the 208 community radio licenses issued so far, 180 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 March, 2015 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 31.03.2015
Total No. of Applications Received	1697
No of Letters of Intent (LOIs) issued	507*
No of Applications rejected	800
No of Licenses issued (GOPA signed)	208
No of stations operational	180

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

Source: Ministry of Information & Broadcasting (MIB)

Teleport Service

5.12 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 (22)	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)	
	Dec-14	Mar-15	Dec-14	Mar-15	Dec-14	Mar-15	Dec-14	Mar-15	Dec-14	Mar-15	Dec-14	Mar-15
Andhra Pradesh	6,914,336	6,978,118	21,035,524	21,842,966	13,646,780	14,101,423	2,349,727	2,608,951	3,100,944	3,246,182	1,911,028	1,873,456
Assam	3,060,613	3,181,129	4,879,060	5,128,549	728,824	850,910	4,231,441	4,403,721	2,256,672	2,325,258		
Bihar	7,880,695	8,433,417	23,260,424	24,714,613	7,764,446	9,066,959	5,674,192	6,094,617	6,158,118	6,585,236	2,587,492	2,589,071
Delhi	9,468,453	9,554,956	10,877,042	10,899,737	5,906,714	5,937,337	4,713,338	5,139,800	5,213,016	5,516,999	2,994,361	2,975,439
Gujarat	18,457,632	18,667,953	7,789,314	7,944,940	10,605,791	10,985,668	18,563	17,063	3,162,817	3,655,817	1,231,566	1,238,355
Haryana	5,061,184	5,253,738	2,529,358	2,611,603	4,428,358	4,584,025	3,092	3,092	1,602,610	1,609,270	405,837	392,301
Himachal Pradesh	587,941	613,744	2,384,219	2,458,510	674,632	699,145	907,274	972,926	1,352,680	1,412,591	173,011	173,774
Jammu & Kashmir	1,050,980	1,182,293	2,885,273	2,982,638	466,419	517,110	2,491,798	2,627,512	749,202	785,074	19	22
Karnataka	7,607,837	7,259,023	18,359,667	19,304,525	7,803,337	7,894,841	2,923,297	2,791,121	3,950,948	4,126,687	1,281,501	1,308,170
Kerala	7,058,734	7,190,844	3,959,875	3,983,764	9,494,734	9,632,422	918	918	896,661	1,026,110	859,648	850,321
Madhya Pradesh	5,726,055	6,371,114	11,084,420	11,486,501	18,862,565	19,398,138	22,694	21,194	10,105,955	10,429,454	2,059,127	2,044,846
Maharashtra	16,894,186	17,437,924	10,983,519	11,620,724	21,101,531	21,782,129	1,749,377	1,890,585	3,179,000	3,232,345	1,788,266	1,811,971
Mumbai	8,348,017	8,430,533	4,997,718	5,124,883	3,898,068	4,014,057	2,309,076	2,438,486	2,801,111	2,900,365	2,947,835	2,959,121
North East	1,280,728	1,293,776	3,312,390	3,486,004	428,926	462,511	2,863,557	2,888,063	841,141	852,675		
Orissa	3,583,658	3,472,928	8,601,791	9,116,568	1,327,635	1,353,050	3,909,753	3,973,664	3,615,659	3,807,942	300,984	303,091
Punjab	4,823,485	4,937,645	7,634,179	7,765,591	6,091,118	6,210,132	967,167	994,838	2,751,019	2,069,856	335,904	238,144
Rajasthan	10,517,333	11,115,888	16,900,399	17,609,404	6,525,030	6,943,659	5,448,995	5,726,408	5,261,120	5,546,063	971,638	958,257
Tamil Nadu (incl. Chennai)	13,961,596	14,241,929	15,341,821	15,868,214	3,984,325	4,453,972	23,620,644	23,736,374	4,276,624	4,602,116	1,817,370	1,801,351
UP(E)	16,903,807	17,584,787	17,793,314	18,480,116	8,750,797	9,683,219	6,007,873	6,312,225	5,466,948	5,790,498	2,455,226	2,441,324
UP(W)	10,424,299	10,716,829	7,203,729	7,297,186	12,535,987	13,064,094	164,141	228,459	3,897,548	4,153,918	1,269,742	1,256,757
Kolkata	4,747,270	4,840,214	4,048,302	4,130,404	1,635,759	1,834,667	3,634,662	3,729,840	2,519,573	2,707,005	1,024,836	994,054
West Bengal	14,316,992	15,044,231	11,353,704	12,159,973	3,874,282	4,338,200	4,661,966	4,795,856	5,865,771	6,049,457	853,918	831,732
Total	178,675,831	183,803,013	217,215,042	226,017,413	150,536,058	157,807,668	78,673,545	81,395,713	79,025,137	82,430,918	27,269,309	27,041,557
Net Addition		5,127,182		8,802,371		7,271,610		2,722,168		3,405,781		(227,752)

Annexure 1.2 (contd.)

Service Area	Tata (GSM)		Tata (CDMA)		BSNL (GSM)		BSNL (CDMA)		MTNL (GSM)		MTNL (CDMA)	
	Dec-14	Mar-15	Dec-14	Mar-15	Dec-14	Mar-15	Dec-14	Mar-15	Dec-14	Mar-15	Dec-14	Mar-15
Andhra Pradesh	4,888,106	4,916,836	1,381,305	1,317,096	9,874,832	9,554,414	56,728	49,009				
Assam					1,180,718	1,165,453	96,110	95,871				
Bihar	1,638,755	1,556,321	699,413	664,976	2,733,117	2,574,030	206,338	206,808				
Delhi			2,836,590	2,805,481					2,302,742	2,313,943	22,988	22,985
Gujarat	2,806,961	2,633,872	407,077	383,150	3,094,333	3,055,520	78,841	73,432				
Haryana	2,263,754	2,396,287	545,218	501,257	3,056,051	2,724,779	11,817	10,786				
Himachal Pradesh	52,075	48,304	55,614	49,308	1,396,930	1,391,500	41,012	36,285				
Jammu & Kashmir					1,180,843	1,163,040	56,020	55,061				
Karnataka	6,372,151	6,612,468	522,780	483,621	6,616,612	6,580,344	113,405	109,397				
Kerala	1,538,709	1,581,910	183,081	174,412	6,504,784	6,341,034	240,421	226,927				
Madhya Pradesh	4,214,799	4,273,298	540,548	504,770	3,660,639	3,172,066	172,648	168,362				
Maharashtra	4,188,698	4,328,650	2,448,798	2,381,134	5,192,685	5,015,370	98,804	91,535				
Mumbai	2,469,310	2,470,385	1,158,028	1,132,659					1,059,071	1,109,523	65,868	65,293
North East					1,394,122	1,262,491	141,868	144,828				
Orissa	2,140,887	2,233,962	185,473	176,964	3,402,979	3,385,488	48,252	45,770				
Punjab	1,962,681	2,054,978	655,955	598,276	3,162,216	3,004,165	26,516	24,708				
Rajasthan	680,408	671,491	1,152,144	1,113,484	3,317,614	3,160,554	143,821	141,045				
Tamil Nadu (incl. Chennai)	5,656,685	5,760,042	308,909	288,272	9,779,866	8,594,194	75,191	67,574				
UP(E)	4,038,109	4,178,713	537,915	512,226	7,769,889	7,417,209	269,138	271,105				
UP(W)	3,180,161	3,231,796	668,104	613,620	3,360,876	3,227,756	77,504	76,123				
Kolkata	2,466,005	2,493,727	436,364	406,555	783,037	764,197	19,409	19,124				
West Bengal	798,685	690,605	86,313	75,101	1,877,862	1,685,109	70,669	71,192				
Total	51,356,939	52,133,645	14,809,629	14,182,362	79,340,005	75,238,713	2,044,512	1,984,942	3,361,813	3,423,466	88,856	88,278
Net Addition		776,706		(627,267)		(4,101,292)		(59,570)		61,653		(578)

Annexure 1.2 (contd.)

Service Area	Sistema (CDMA)		Quadrant (HFCL) (GSM)		Quadrant (HFCL) (CDMA)		Telewings (GSM)		Videocon (GSM)		Total		Net Additions
	Dec-14	Mar-15	Dec-14	Mar-15	Dec-14	Mar-15	Dec-14	Mar-15	Dec-14	Mar-15	Dec-14	Mar-15	
Andhra Pradesh							5,398,219	5,459,948			70,557,529	71,948,399	1,390,870
Assam											16,433,438	17,150,891	717,453
Bihar							6,517,410	6,778,472		6,113	65,120,400	69,270,633	4,150,233
Delhi	1,019,213	1,008,236									45,354,457	46,174,913	820,456
Gujarat	194,843	211,479					6,762,644	7,357,556	2,185,886	2,339,057	56,796,268	58,563,862	1,767,594
Haryana									1,839,772	1,918,899	21,747,051	22,006,037	258,986
Himachal Pradesh											7,625,388	7,856,087	230,699
Jammu & Kashmir											8,880,554	9,312,750	432,196
Karnataka	1,627,631	1,565,259									57,179,166	58,035,456	856,290
Kerala	396,432	397,418									31,133,997	31,406,080	272,083
Madhya Pradesh									2,426,766	2,850,999	58,876,216	60,720,742	1,844,526
Maharashtra							7,241,912	7,349,644			74,866,776	76,942,011	2,075,235
Mumbai											30,054,102	30,645,305	591,203
North East											10,262,732	10,390,348	127,616
Orissa											27,117,071	27,869,427	752,356
Punjab			2,509,557	2,728,229	1,848	1,926					30,921,645	30,628,488	(293,157)
Rajasthan	2,213,549	2,219,579									53,132,051	55,205,832	2,073,781
Tamil Nadu (incl. Chennai)	936,486	904,304									79,759,517	80,318,342	558,825
UP(E)							10,144,872	10,717,946		9,506	80,137,888	83,398,874	3,260,986
UP(W)	194,565	193,990					7,565,877	7,954,191		9,184	50,542,533	52,023,903	1,481,370
Kolkata	644,162	641,031									21,959,379	22,560,818	601,439
West Bengal	1,753,263	1,723,141									45,513,425	47,464,597	1,951,172
Total	8,980,144	8,864,437	2,509,557	2,728,229	1,848	1,926	43,630,934	45,617,757	6,452,424	7,133,758	943,971,583	969,893,795	25,922,212
Net Addition		(115,707)		218,672		78		1,986,823		681,334		25,922,212	

Annexure 1.3: Wireline Subscriber Base

Service Area	Bharti		Reliance		Quadrant (HFCL)		Sistema		Tata		MTNL		BSNL		Vodafone		Total		Net Additions
	Dec-14	Mar-15	Dec-14	Mar-15	Dec-14	Mar-15	Dec-14	Mar-15	Dec-14	Mar-15	Dec-14	Mar-15	Dec-14	Mar-15	Dec-14	Mar-15	Dec-14	Mar-15	
Andhra Pradesh	119,039	119,680	81,569	80,426	-	-	-	-	162,478	162,778	-	-	1,543,551	1,496,743	8,790	9,060	1,915,427	1,868,687	-46,740
Assam					-	-	-	-			-	-	176,841	165,994	1,350	1,440	178,191	167,434	-10,757
Bihar			6,100	6,104	-	-	-	-	12,228	12,790	-	-	354,639	339,466	780	930	373,747	359,290	-14,457
Delhi	1,197,003	1,197,312	181,262	180,433	-	-	-	-	119,194	133,429	1,605,117	1,609,278			20,490	20,910	3,123,066	3,141,362	18,296
Gujarat	60,479	61,720	82,293	81,413	-	-	-	-	80,859	84,098	-	-	1,342,812	1,322,712	2,250	2,460	1,568,693	1,552,403	-16,290
Haryana	16,521	16,699	4,916	4,870	-	-	-	-	32,960	34,210	-	-	377,796	350,362	90	90	432,283	406,231	-26,052
Himachal Pradesh			4,847	4,847	-	-	-	-	2,885	2,752	-	-	221,676	200,513	90	90	229,498	208,202	-21,296
Jammu & Kashmir					-	-	-	-			-	-	156,472	149,349			156,472	149,349	-7,123
Karnataka	527,281	544,460	128,613	130,383	-	-	-	-	175,894	194,141	-	-	1,428,963	1,402,178	6,450	6,780	2,267,201	2,277,942	10,741
Kerala	49,204	49,996	37,301	36,642	-	-	-	-	14,631	15,644	-	-	2,580,135	2,484,458	570	660	2,681,841	2,587,400	-94,441
Madhya Pradesh	229,809	232,074	22,597	22,672	-	-	-	-	18,882	20,511	-	-	829,250	830,015	270	270	1,100,808	1,105,542	4,734
Maharashtra	66,655	67,858	81,756	81,691	-	-	-	-	269,800	275,597	-	-	1,730,570	1,681,804	9,360	9,570	2,158,141	2,116,520	-41,621
Mumbai	348,587	340,915	237,094	237,408	-	-	-	-	525,642	530,115	1,916,447	1,942,393			11,520	12,690	3,039,290	3,063,521	24,231
North East					-	-	-	-			-	-	128,710	127,144	120	120	128,830	127,264	-1,566
Orissa			2,952	2,937	-	-	-	-	7,800	7,925	-	-	324,412	306,675	570	690	335,734	318,227	-17,507
Punjab	92,474	92,715	20,565	20,494	224,975	227,467	-	-	16,990	17,167	-	-	794,702	761,884	510	510	1,150,216	1,120,237	-29,979
Rajasthan	39,951	40,948	23,434	22,964	-	-	54,954	57,119	9,946	9,976	-	-	722,587	690,273	1,710	1,740	852,582	823,020	-29,562
Tamil Nadu (incl. Chennai)	459,858	462,008	143,863	142,286	-	-	-	-	90,600	94,894	-	-	2,098,991	2,053,191	6,330	6,810	2,799,642	2,759,189	-40,453
U.P.(E)	55,108	56,315	38,656	38,496	-	-	-	-	15,845	15,802	-	-	415,224	402,886	1,020	1,050	525,853	514,549	-11,304
U.P.(W)	20,098	20,235	6,274	6,052	-	-	-	-	9,815	9,914	-	-	469,000	446,032	390	390	505,577	482,623	-22,954
Kolkata	106,355	108,186	80,650	80,187	-	-	-	-	44,839	47,264	-	-	785,053	765,066	3,180	3,270	1,020,077	1,003,973	-16,104
West Bengal			1,901	1,872	-	-	-	-	3,688	3,782	-	-	451,317	435,695	30	30	456,936	441,379	-15,557
Total	3,388,422	3,411,121	1,186,643	1,182,177	224,975	227,467	54,954	57,119	1,614,976	1,672,789	3,521,564	3,551,671	16,932,701	16,412,440	75,870	79,560	27,000,105	26,594,344	-405,761
Net Addition		22,699		-4,466		2,492		2,165		57,813		30,107		-520,261		3,690			-405,761

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 31.12.2014	Number of PCOs as on 31.03.2015	Net PCO increase/decrease as on 31.03.2015	Percentage Growth/Decline as on 31.03.2015
1	Andhra Pradesh (Including Telengana)	BSNL	50,226	46,697	-3,529	-7.03%
		Bharti	207	207	0	0.00%
		TTL	6,041	5,555	-486	-8.05%
		RCL	15,577	14,173	-1,404	-9.01%
	Andhra Pradesh	BSNL	50,226	46,697	-3,529	-7.03%
		Bharti	207	207	0	0.00%
		TTL	6,041	5,555	-486	-8.05%
		RCL	15,577	14,173	-1,404	-9.01%
	Telengana	BSNL	0	0	0	0.00%
		Bharti	0	0	0	0.00%
		TTL	0	0	0	0.00%
		RCL	0	0	0	0.00%
2	Assam	BSNL	10,589	10,350	-239	-2.26%
3	Bihar (Including Jharkhand)	BSNL	7,377	7,332	-45	-0.61%
		TTL	118	95	-23	-19.49%
		RCL	594	512	-82	-13.80%
	Bihar	BSNL	2,341	2,341	0	0.00%
		TTL	118	95	-23	-19.49%
		RCL	594	512	-82	-13.80%
	Jharkhand	BSNL	5,036	4,991	-45	-0.89%
		TTL	0	0	0	0.00%
		RCL	0	0	0	0.00%
4	Delhi	MTNL	56,654	56,550	-104	-0.18%
		Bharti	1,202	1,202	0	0.00%
		TTL	3,365	3,092	-273	-8.11%
		RCL	547	512	-35	-6.40%
5	Gujarat	BSNL	29,751	27,485	-2,266	-7.62%
		Bharti	16	16	0	0.00%
		TTL	4,083	2,594	-1,489	-36.47%
		RCL	2,049	1,920	-129	-6.30%
6	Haryana	BSNL	5,247	4,179	-1,068	-20.35%
		Bharti	214	214	0	0.00%
		TTL	135	126	-9	-6.67%
		RCL	75	66	-9	-12.00%
7	Himachal Pradesh	BSNL	4,528	3,757	-771	-17.03%
		TTL	49	41	-8	-16.33%
		RCL	39	37	-2	-5.13%

Annexure 1.4 (Contd.)

Sl. No.	Name of the Circle/Service Area	Service Provider	Number of PCOs as on 31.12.2014	Number of PCOs as on 31.03.2015	Net PCO increase/decrease as on 31.03.2015	Percentage Growth/Decline as on 31.03.2015
8	J & K	BSNL	4,922	4,650	-272	-5.53%
9	Karnataka	BSNL	56,319	50,709	-5,610	-9.96%
		Bharti	5,978	5,978	0	0.00%
		TTL	3,831	3,287	-544	-14.20%
		RCL	5,408	4,693	-715	-13.22%
10	Kerala	BSNL	31,006	28,915	-2,091	-6.74%
		Bharti	643	643	0	0.00%
		TTL	192	151	-41	-21.35%
		RCL	1,142	942	-200	-17.51%
11	Madhya Pradesh (Including Chattisgarh)	BSNL	30,591	30,345	-246	-0.80%
		Bharti	3,727	3,727	0	0.00%
		TTL	1,676	1,492	-184	-10.98%
		RCL	1,834	1,666	-168	-9.16%
	Madhya Pradesh	BSNL	28,055	27,812	-243	-0.87%
		Bharti	3,727	3,727	0	0.00%
		TTL	1,676	1,492	-184	-10.98%
		RCL	1,834	1,666	-168	-9.16%
	Chattisgarh	BSNL	2,536	2,533	-3	-0.12%
		Bharti	0	0	0	0.00%
		TTL	0	0	0	0.00%
		RCL	0	0	0	0.00%
12	Maharashtra (Including Mumbai & Goa)	BSNL	80,808	77,848	-2,960	-3.66%
		Bharti	41	41	0	0.00%
		MTNL	82,595	82,136	-459	-0.56%
		TTML	28,626	24,750	-3,876	-13.54%
		RCL	13,857	13,068	-789	-5.69%
	Maharashtra & Goa	BSNL	80,808	77,848	-2,960	-3.66%
		Bharti	0	0	0	0.00%
		MTNL	0	0	0	0.00%
		TTML	23,383	19,647	-3,736	-15.98%
		RCL	5,541	5,103	-438	-7.90%
	Mumbai	BSNL	0	0	0	0.00%
		Bharti	41	41	0	0.00%
		MTNL	82,595	82,136	-459	-0.56%
		TTML	5,243	5,103	-140	-2.67%
		RCL	8,316	7,965	-351	-4.22%
	13	North East	BSNL	6,664	6,245	-419

Annexure 1.4 (Contd.)

Sl. No.	Name of the Circle/Service Area	Service Provider	Number of PCOs as on 31.12.2014	Number of PCOs as on 31.03.2015	Net PCO increase/decrease as on 31.03.2015	Percentage Growth/Decline as on 31.03.2015
14	Orissa	BSNL	4,532	4,448	-84	-1.85%
		TTL	267	229	-38	-14.23%
		RCL	133	98	-35	-26.32%
15	Punjab	BSNL	8,903	8,743	-160	-1.80%
		Bharti	137	137	0	0.00%
		Quardant	2,763	2,610	-153	-5.54%
		TTL	1,262	1,007	-255	-20.21%
		RCL	266	219	-47	-17.67%
16	Rajasthan	BSNL	13,713	11,569	-2,144	-15.63%
		Bharti	217	217	0	0.00%
		S.Shyam	10,528	10,457	-71	-0.67%
		TTL	501	437	-64	-12.77%
		RCL	1,060	939	-121	-11.42%
17	Tamilnadu (Including Chennai)	BSNL	91,840	87,800	-4,040	-4.40%
		Bharti	10,255	10,255	0	0.00%
		TTL	2,892	2,039	-853	-29.50%
		RCL	9,187	8,138	-1,049	-11.42%
	Tamilnadu	BSNL	77,769	74,048	-3,721	-4.78%
		Bharti	10,255	10,255	0	0.00%
		TTL	2,892	2,039	-853	-29.50%
		RCL	6,532	5,780	-752	-11.51%
	Chennai	BSNL	14,071	13,752	-319	-2.27%
		Bharti	0	0	0	0.00%
		TTL	0	0	0	0.00%
		RCL	2,655	2,358	-297	-11.19%
18	Uttar Pradesh (East)	BSNL	21,471	20,730	-741	-3.45%
		Bharti	189	189	0	0.00%
		TTL	262	195	-67	-25.57%
		RCL	550	443	-107	-19.45%
19	Uttar Pradesh (West) (Including Uttarakhand)	BSNL	10,049	9,167	-882	-8.78%
		Bharti	150	150	0	0.00%
		TTL	766	634	-132	-17.23%
		RCL	466	394	-72	-15.45%
	Uttar Pradesh - West (excluding Uttarakhand)	BSNL	6,701	6,346	-355	-5.30%
		Bharti	150	150	0	0.00%
		TTL	766	634	-132	-17.23%
		RCL	466	394	-72	-15.45%

Annexure 1.4 (Contd.)

Sl. No.	Name of the Circle/Service Area	Service Provider	Number of PCOs as on 31.12.2014	Number of PCOs as on 31.03.2015	Net PCO increase/decrease as on 31.03.2015	Percentage Growth/Decline as on 31.03.2015
	Uttarakhand	BSNL	3,348	2,821	-527	-15.74%
		Bharti	0	0	0	0.00%
		TTL	0	0	0	0.00%
		RCL	0	0	0	0.00%
20	West Bengal (Including Andaman & Nicobar)	BSNL	18,061	17,940	-121	-0.67%
		Bharti	0	0	0	0.00%
		TTL	327	282	-45	-13.76%
		RCL	785	654	-131	-16.69%
	West Bengal (excluding Andaman & Nicobar)	BSNL	17,891	17,770	-121	-0.68%
		Bharti	0	0	0	0.00%
		TTL	327	282	-45	-13.76%
		RCL	785	654	-131	-16.69%
	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	7,077	6,912	-165	-2.33%
		Bharti	59	59	0	0.00%
		TTL	1,231	1,077	-154	-12.51%
		RCL	799	689	-110	-13.77%
	Total		779,241	736,855	-42,386	-5.44%

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

Sl. No.	Name of the Circle/Service Area	Service Provider	Number of VPTs as on 31.12.14	Number of VPTs as on 31.03.15	Net VPT increase/ decrease as on 31.03.15	Percentage Growth/ Decline as on 31.03.15
1	Andhra Pradesh (Incl. Telengana)	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%
	Telengana	BSNL	0	0	0	0.00%
TTL		0	0	0	0.00%	
2	Assam	BSNL	24,692	24,692	0	0.00%
3	Bihar (Incl. Jharkhand)	BSNL	67,748	67,762	14	0.02%
	Bihar	BSNL	38,941	38,941	0	0.00%
	Jharkhand	BSNL	28,807	28,821	14	0.05%
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	H. P.	BSNL	16,398	16,390	-8	-0.05%
8	J & K	BSNL	6,386	6,385	-1	-0.02%
9	Karnataka	BSNL	27,451	27,451	0	0.00%
10	Kerala	BSNL	1,321	1,321	0	0.00%
11	Madhya Pradesh (Incl. 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	40,542	40,544	2	0.00%
		Bharti	0	0	0	0.00%
		MTNL	0	0	0	0.00%
		TTML	1,786	1,786	0	0.00%
		RCL	0	0	0	0.00%
	Maharashtra & Goa	BSNL	40,542	40,544	2	0.00%
		Bharti	0	0	0	0.00%
		MTNL	0	0	0	0.00%
		TTML	1,786	1,786	0	0.00%
		RCL	0	0	0	0.00%

Annexure 1.5 (contd.)

Sl. No.	Name of the Circle/Service Area	Service Provider	Number of VPTs as on 31.12.14	Number of VPTs as on 31.03.15	Net VPT increase/decrease as on 31.03.15	Percentage Growth/Decline as on 31.03.15
	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	13,099	13,099	0	0.00%
14	Orissa	BSNL	45,215	45,215	0	0.00%
15	Punjab	BSNL	12,065	12,065	0	0.00%
		Quadrant	3	2	-1	-33.33%
16	Rajasthan	BSNL	39,568	39,568	0	0.00%
		S. Shyam	3,010	3,010	0	0.00%
17	Tamilnadu (Incl. 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	38,978	-110	-0.28%
	Uttar Pradesh - West (excluding Uttarakhand)	BSNL	23,707	23,707	0	0.00%
	Uttarakhand	BSNL	15,381	15,271	-110	-0.72%
20	West Bengal (Including Andaman & Nicobar)	BSNL	37,312	37,310	-2	-0.01%
	West Bengal (excluding Andaman & Nicobar)	BSNL	36,960	36,958	-2	-0.01%
	Andaman and Nicobar	BSNL	352	352	0	0.00%
21	Kolkata	BSNL	613	613	0	0.00%
Total			586,087	585,981	-106	-0.02%

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

S.No.	Name of Service Provider	Narrowband	Broadband	Total
1	Bharti Airtel Ltd.	54,296,305	22,010,241	76,306,546
2	Vodafone	44,385,994	19,372,679	63,758,673
3	Reliance Communications Group	25,924,682	7,942,715	33,867,397
4	Idea Cellular	18,911,885	14,522,075	33,433,960
5	Bharat Sanchar Nigam Ltd.	13,138,511	18,882,965	32,021,476
6	Tata	13,177,934	7,315,475	20,493,409
7	Aircel	16,701,656	2,747,520	19,449,176
8	Telewings	12,886,276	0	12,886,276
9	Videocon	2,359,879	0	2,359,879
10	Mahanagar Telephone Nigam Ltd.	447,834	1,525,386	1,973,220
11	Sistema Shyam	22,346	1,745,621	1,767,967
12	Quadrant Televentures Ltd.	696,530	171,357	867,887
13	Atria Convergence Technologies Pvt Ltd	0	666,783	666,783
14	You Broadband India Pvt. Ltd.	16,303	446,688	462,991
15	Hathway Cable & Datacom Pvt. Ltd.	10,892	327,075	337,967
16	Tikona	2,467	273,402	275,869
17	Asianet Satellite Communications Ltd.	0	142,254	142,254
18	Syscon Infoway Pvt. Ltd.	35,189	106,038	141,227
19	D-Vois Broadband Pvt. Ltd.	0	111,756	111,756
20	GTPL Hathway Pvt. Ltd.	2,991	84,946	87,937
21	Alliance Broadband Services Pvt. Ltd.	2,131	74,609	76,740
22	Five Network Solution (India) Ltd.	0	67,574	67,574
23	Siti Cable Network Ltd.	21,302	38,139	59,441
24	Ortel Communication Ltd.	8,876	49,643	58,519
25	Broadband Pacenet (I) Pvt. Ltd.	40	50,132	50,172
26	Honesty Net Solutions (I) Pvt. Ltd.	5,060	36,900	41,960
27	Citycom Networks Pvt. Ltd.	950	40,961	41,911
28	Meghbela Cable & Broadband Services Pvt. Ltd.	24,216	13,396	37,612
29	Indusind Media & Communications Ltd	3,473	28,574	32,047
30	DEN Networks Ltd.	215	27,155	27,370
31	Chandra Net Pvt. Ltd.	1,199	25,419	26,618
32	RailTel Corporation of India Ltd.	7,156	19,340	26,496
33	Home Systems Pvt. Ltd.	0	25,996	25,996
34	Limras Eronet Broadband Service Pvt. Ltd.	10,839	9,909	20,748
35	Wish Net Pvt. Ltd.	0	20,471	20,471
36	Southern Online Bio Technologies Ltd.	6,909	12,664	19,573
37	Rajesh Multi Channel Pvt. Ltd.	2,748	16,597	19,345

Annexure 1.6 (contd.)

S.No.	Name of Service Provider	Narrowband	Broadband	Total
38	R.K. Infratel Ltd.	1,034	16,818	17,852
39	Nextra Teleservices Pvt. Ltd.	0	17,545	17,545
40	Vasai Cable Pvt. Ltd.	0	16,118	16,118
41	City Online Services Ltd.	8,323	7,784	16,107
42	Digital Network Associates Pvt. Ltd.	607	14,892	15,499
43	Pioneerelabs	218	12,138	12,356
44	World Phone Internet Services Pvt. Ltd.	1,357	10,484	11,841
45	Noida Software Technology Park Ltd.	0	11,667	11,667
46	North East Dataa Network Pvt. Ltd.	0	11,553	11,553
47	SmartLink Broadband Services	0	11,348	11,348
48	Apna Telelink Ltd.	0	10,510	10,510
49	Quest Consultancy Pvt. Ltd.	0	7,870	7,870
50	Blazenet Ltd.	4,069	3,353	7,422
51	IKF Technologies Ltd.	2,245	4,194	6,439
52	Wan and Lan Internet Pvt. Ltd.	743	5,527	6,270
53	Yashash Cable Network Pvt. Ltd.	0	5,606	5,606
54	Geocity Network Solutions Pvt. Ltd.	975	4,434	5,409
55	Nettlinx Ltd.	0	5,337	5,337
56	Spacenet Internet Services Pvt. Ltd.	0	5,319	5,319
57	Sify Technologies Ltd.	2,683	2,451	5,134
58	Ishan Netsol Pvt. Ltd.	4,330	284	4,614
59	Narmada Cyberzone Pvt. Ltd.	1,858	2,755	4,613
60	CJM Consultancy Services Pvt. Ltd.	0	4,278	4,278
61	Swiftmail Communications Ltd.	1,276	2,627	3,903
62	Kaizen Infonet Pvt. Ltd.	746	3,148	3,894
63	CJ Online Pvt. Ltd.	0	3,866	3,866
64	Hathway Bhawani Cabletel & Datacom Pvt. Ltd.	0	3,724	3,724
65	Siliguri Internet & Cable TV Pvt. Ltd.	0	3,626	3,626
66	Intermedia Cable Communication Pvt. Ltd.	85	3,479	3,564
67	HCL Comnet Systems & Services Ltd.	3,396	31	3,427
68	Rajesh Patel Net Services Pvt. Ltd.	404	2,983	3,387
69	Bhupati Hotels Pvt. Ltd	0	3,166	3,166
70	Kappa Internet Services Pvt. Ltd.	1,074	1,967	3,041
71	F/X Wireless Technology Services Pvt. Ltd.	0	2,961	2,961
72	We Internet Ltd.	0	2,883	2,883
73	Shri Omkar Infocom Pvt. Ltd.	14	2,439	2,453

Annexure 1.6 (contd.)

S.No.	Name of Service Provider	Narrowband	Broadband	Total
74	United Telecoms Ltd.	240	1,994	2,234
75	Hughes Communications India Ltd.	627	1,496	2,123
76	Readylink Internet Services Pvt. Ltd.	220	1,753	1,973
77	Speed Online.net Pvt. Ltd.	0	1,850	1,850
78	Capture Network Systems Pvt. Ltd.	201	1,472	1,673
79	Star Broadband Services (I) Pvt. Ltd.	0	1,618	1,618
80	Symbois Creations Pvt. Ltd.	65	1,425	1,490
81	Digital2Virtual ISP Pvt. Ltd.	14	1,248	1,262
82	Touch Net India Pvt. Ltd.	519	740	1,259
83	Multinet (Udaipur) Pvt. Ltd.	0	1,205	1,205
84	Aeroway Networks Pvt. Ltd.	34	777	811
85	delDSL Internet Pvt. Ltd.	0	712	712
86	Data Infosys Ltd.	78	568	646
87	S.S.Netcom Pvt. Ltd.	0	631	631
88	Rajdhani Telecom Pvt. Ltd.	87	440	527
89	Primenet Global Ltd.	0	444	444
90	Bhiwani Communications Pvt. Ltd.	174	255	429
91	Sphier Infotech Pvt. Ltd.	0	412	412
92	Sab Infotech	0	403	403
93	Rida Communication Pvt. Ltd.	0	276	276
94	Gleam Worldwide Services Pvt. Ltd.	0	269	269
95	Conjoinix Technologies Pvt. Ltd.	0	269	269
96	ERNET India	180	78	258
97	QBC Infotech Pvt. Ltd.	4	237	241
98	Microsense Pvt. Ltd.	0	231	231
99	Pacific Internet India Pvt. Ltd.	203	0	203
100	Harisree CableNet Pvt. Ltd.	0	201	201
101	Nextgen Communications Ltd.	44	118	162
102	Khetan Cable Network (P) Ltd.	0	146	146
103	Pulse Telesystems Pvt. Ltd.	0	140	140
104	Shri Vinayagaa Internet Pvt. Ltd.	45	86	131
105	Trans Virtual Pvt. Ltd.	32	81	113
106	Convergent Telecom Pvt. Ltd.	0	109	109
107	NetMagic Solutions(P) Ltd.	0	68	68
108	Tatanet Services Ltd.	0	59	59
109	Power Grid Corporation of India Ltd.	0	46	46
110	Sanyog Networks Pvt. Ltd.	12	30	42
111	Verizon Communications India Pvt Ltd	0	42	42

Annexure 1.6 (contd.)

S.No.	Name of Service Provider	Narrowband	Broadband	Total
112	AT&T Global Network Services India Pvt. Ltd.	0	39	39
113	West Bengal Electronics Industry Development Corp. Ltd.	0	37	37
114	Adya Tech One Services Pvt. Ltd.	0	33	33
115	Dream Plus Multi Services Pvt. Ltd.	6	26	32
116	Nelco Ltd.	0	30	30
117	STN Communication & Advertising Pvt. Ltd.	1	29	30
118	Pipetel Communications Pvt. Ltd.	1	28	29
119	Reach Network India Pvt. Ltd.	3	15	18
120	Essel Shyam Communications Ltd.	16	0	16
121	Vcare Call Centres India Pvt. Ltd.	0	16	16
122	Airmesh Communications Ltd.	0	15	15
123	Financial Technologies Communications Ltd.	13	0	13
124	VIVA Communications Pvt. Ltd.	0	11	11
125	ABT Ltd.	3	2	5
126	Orange Business Services India Network Pvt. Ltd.	0	2	2
127	Maple PC & Peripherals Pvt. Ltd.	0	2	2
128	Godrej Infotech Ltd.	0	1	1
129	Reliance Jio Infocomm Ltd.	0	1	1
	Total	203,151,047	99,203,836	302,354,883
	Total in Millions	203.15	99.20	302.35

Note: Some wireless service providers exclude incidental data users from their subscriber base, based on minimum usage decided by them.

**Annexure 1.7: List of Service Providers reported IP Telephony
Minutes for Q.E. Mar-15**

S. No.	Name of Service Providers reported IP Telephony Minutes for the quarter ending March 2015
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	Pipetel Communications Pvt. Ltd.
12	Pulse Telesystems Pvt. Ltd.
13	Sify Technologies Ltd.
14	Tata Communications Ltd.
15	Tata Teleservices (Maharashtra) Ltd.
16	Trikon Electronics Pvt. Ltd.
17	VIVA Communications Pvt. Ltd.
18	World Phone Internet Services Pvt. Ltd.
19	You Broadband India Pvt. Ltd.

Annexure 1.8: Service Area wise PMRTS subscriber Base

S No.	Operative Area	Service Providers	Subscriber Base	
			31.12.2014	31.03.2015
1	Delhi (Faridabad/ Gurgaon)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	6709	7909
		Procall(Delhi)	661	0
		Procall (Faridabad)	305	0
		Procall (Gurgaon)	79	0
		Total	7754	7909
2	Mumbai(Navi Mumbai)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	8321	8421
		Smartalk (Mumbai)	29	0
		Bhilwara Telenet(Mumbai)	105	0
		Total	8455	8421
3	Kolkata	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1834	2299
		Total	1834	2299
4	TN(Chennai)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	5880	6322
		Quick Calls	21	0
		Total	5901	6322
5	Karnataka (Bangalore)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	6393	6668
		Quick Calls	21	0
		Total	6414	6668
6	Andhra Pradesh (Vishakhapatnam)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	3209	4026
		Quick Calls (Hyderabad Urban)	2022	2000
		Total	5231	6026
7	Madhya Pradesh (Indore)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	915	958
		Total	915	958
8	Rajasthan (Jaipur)	Procall	560	0
		Total	560	0
9	Gujrat (Ahmedaba/Surat/ Vadodara/ Bharuch/ Kutch/Amrela / Jamnagar)	Arya Omnitalk Radio Trunking Services Pvt.Ltd. (Ahmedabad/ Surat/ Vadodara/ Bharuch)	5098	5303
		Inative Network Pvt. Ltd. (Ahmedaba/Surat/Vadodara/ Bharuch/ Kutch/Amrela / Jamnagar)		1820
		Total	5098	7123
10	Maharashtra (Pune)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1528	1692
		Smartalk	2	0
		Total	1530	1692
Grand Total			43692	47418

Annexure 2.1: GSM Service - Service Area wise Statistics for QE Mar-15

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	95.85	132	27	190	198	389
Gujarat	94.80	111	13	192	162	354
Karnataka	93.86	140	41	196	185	381
MH	94.69	131	36	183	169	352
TN (incl. Chennai)	94.81	124	34	176	185	360

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	96.81	103	14	194	179	373
Kerala	96.15	186	16	207	257	464
MP	97.66	106	16	147	152	299
Punjab	93.15	136	54	205	197	402
Rajasthan	97.53	112	9	161	178	339
UP(E)	98.65	96	11	173	240	413
UP(W)	97.95	99	33	176	196	372
WB	99.09	85	16	160	196	356

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	96.30	130	31	208	239	447
Bihar	99.34	94	5	167	249	417
HP	98.17	109	14	191	178	369
J&K	92.67	152	6	265	240	505
NE	97.56	123	55	185	173	358
Orissa	98.78	93	8	189	223	411

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	92.73	109	22	208	206	415
Delhi	85.89	165	30	230	185	415
Mumbai	82.86	192	43	271	190	461

**Annexure 2.2: CDMA Full Mobility Service - Service Area wise Statistics
for QE Mar-15**

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 MOU	Incoming MOU	Total MOU
MH	89	89	132	106	238
Gujarat	80	143	131	107	238
TN (incl. Chennai)	79	188	103	105	208
Karnataka	84	151	123	126	249
AP	87	121	150	127	277

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 MOU	Incoming MOU	Total MOU
WB	99	57	169	167	336
Rajasthan	95	81	234	177	412
UP(E)	96	59	83	95	178
MP	95	67	164	121	285
Kerala	82	152	105	109	214
UP(W)	93	80	105	123	228
Haryana	90	72	173	137	310
Punjab	75	140	167	120	287

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 MOU	Incoming MOU	Total MOU
Orissa	91%	96	182	145	328
Bihar	96%	55	188	156	344
HP	86%	136	170	103	274
J&K	59%	233	225	149	374
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 MOU	Incoming MOU	Total MOU
Kolkata	88%	107	171	135	306
Delhi	87%	119	149	102	250
Mumbai	80%	167	83	70	153

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, March, 2015																			
Name of Service Area	Name of Service Provider	Network Related Parameters									Customer Service Quality Parameters								
		Network Availability		Connection Establishment		Connection Maintenance (Retainability)			POI	Metering and billing				Response time to the customer for assistance		Termination / closure of service			
		BTSs Accumulated downtime (not available for service) (%age)	Worst affected BTSs due to downtime (%age)	Call Set-up Success Rate (within licensee's own network)	SDOCH/ 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	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
Andhra Pradesh	Aircel	0.13	0.37	99.22	0.15	0.28	1.12	6.36	97.08	0	0.00	0.00	100.00	100.00	100.00	97.39	93.23	100.00	100.00
	Airtel	0.02	0.00	99.15	0.10	0.08	0.35	0.26	99.00	0	0.01	0.00	100.00	100.00	100.00	99.99	92.14	100.00	100.00
	BSNL	1.39	1.99	98.37	0.53	1.51	0.77	2.85	99.00	0	0.00	0.00	100.00	100.00	100.00	98.00	86.00	100.00	100.00
	Idea	0.04	0.05	99.27	0.73	0.68	0.68	2.64	97.61	0	0.10	0.02	100.00	100.00	100.00	99.43	97.44	100.00	100.00
	RCOM CDMA	0.16	0.10	98.60	0.00	0.14	0.13	0.08	99.70	0	0.09	0.02	100.00	100.00	100.00	98.96	94.18	100.00	100.00
	RCOM GSM	0.17	0.24	99.72	0.02	0.06	0.35	0.04	98.82	0	0.08	0.09	100.00	100.00	100.00	99.40	95.14	100.00	100.00
	TATA CDMA	0.04	0.10	99.16	0.00	0.24	0.27	0.20	98.26	0	0.00	0.00	100.00	100.00	100.00	99.13	96.38	100.00	99.65
	TATA GSM	0.11	0.40	98.73	0.09	0.20	0.67	1.64	97.87	0	0.00	0.00	100.00	100.00	100.00	99.54	92.40	100.00	100.00
	Telewings	0.10	0.23	98.45	0.21	0.57	0.66	1.71	98.27	0	NA	0.01	100.00	100.00	NA	96.85	99.84	NA	NA
	Vodafone	0.03	0.08	99.76	0.12	0.24	0.50	2.14	98.90	0	0.08	0.10	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Assam	Aircel	3.33	18.18	94.33	1.40	3.93	1.58	13.26	91.40	0	0.00	0.00	100.00	100.00	100.00	92.83	92.97	100.00	100.00
	Airtel	0.14	0.61	97.42	0.47	1.14	0.95	0.96	98.57	0	0.01	0.00	100.00	100.00	100.00	99.99	98.85	100.00	100.00
	BSNL	2.12	3.58	95.96	0.84	1.12	1.84	3.45	94.67	0	0.01	0.09	100.00	100.00	100.00	99.00	94.57	100.00	100.00
	Idea	0.69	1.25	97.19	0.58	1.84	1.29	1.10	95.08	0	0.01	0.08	100.00	100.00	100.00	99.45	98.47	100.00	100.00
	RTL	0.33	1.42	98.59	0.02	0.07	0.67	0.16	98.27	0	0.09	0.07	100.00	100.00	100.00	98.99	84.29	100.00	100.00
	Vodafone	0.49	1.58	99.52	0.13	0.48	0.55	1.86	98.17	0	0.27	0.06	100.00	100.00	100.00	99.99	100.00	100.00	99.90
Bihar	Aircel	2.82	15.69	92.00	1.35	7.51	1.41	9.75	95.55	0	0.00	0.00	100.00	100.00	100.00	92.42	98.25	100.00	100.00
	Airtel	0.06	0.13	98.31	0.94	1.26	1.85	2.32	95.84	0	0.01	0.00	100.00	100.00	100.00	96.87	88.97	100.00	100.00
	BSNL	10.54	18.47	97.88	0.58	0.89	2.85	8.98	96.65	0	0.00	0.00	99.00	100.00	100.00	98.00	96.87	100.00	100.00
	Idea	0.46	1.80	96.83	0.88	1.70	0.94	2.79	96.82	0	0.02	0.10	100.00	100.00	100.00	94.41	97.20	100.00	100.00
	RCOM CDMA	0.62	1.45	97.92	0.00	0.02	0.32	1.35	99.82	0	0.08	0.06	100.00	100.00	100.00	98.62	90.75	100.00	100.00
	RTL	0.08	0.25	95.47	0.95	0.09	0.47	0.08	97.92	0	0.08	0.09	100.00	100.00	100.00	98.88	87.91	100.00	100.00
	TATA CDMA	0.13	0.08	97.84	0.00	0.34	0.82	1.86	98.22	0	0.00	0.00	100.00	100.00	100.00	99.28	96.32	100.00	100.00
	TATA GSM	0.14	0.76	98.59	0.31	0.29	0.50	1.10	97.42	0	0.00	0.00	100.00	100.00	100.00	95.40	94.64	100.00	100.00
		Telewings	0.26	0.82	98.30	0.46	1.10	0.46	1.20	94.22	0	NA	0.17	100.00	100.00	NA	96.94	99.31	NA
	Videocon	0.69	0.00	99.19	0.09	0.14	0.47	0.00	98.99	0	NA	0.00	100.00	100.00	100.00	100.00	96.22	NA	100.00
	Vodafone	0.28	0.94	99.52	0.19	0.48	0.82	1.33	97.74	0	0.04	0.05	100.00	100.00	100.00	100.00	95.86	100.00	100.00

Annexure 4.1 (Contd.)

Chennai	Airtel	0.03	0.05	99.88	0.03	0.03	0.16	0.27	99.74	0	0.01	0.00	100.00	100.00	100.00	100.00	97.00	100.00	100.00
	BSNL	0.50	1.91	97.88	0.64	1.84	0.70	1.33	99.99	0	0.02	0.02	100.00	100.00	100.00	100.00	96.53	100.00	100.00
	Idea	0.00	0.00	99.07	0.08	0.11	0.27	0.71	97.06	0	Incl. in TN								
	RCOM CDMA	0.26	0.38	98.85	0.00	0.01	0.07	0.05	99.76	0	Incl. in TN								
	RCOM GSM	0.20	0.12	99.77	0.01	0.03	0.31	0.02	99.06	0	Incl. in TN								
	Vodafone	0.01	0.02	99.71	0.05	0.29	0.51	2.02	98.98	0	0.02	0.02	100.00	100.00	100.00	100.00	98.39	100.00	92.00
Delhi	Aircel	0.31	1.26	97.27	0.55	1.76	0.81	7.33	97.20	0	0.03	0.00	100.00	100.00	100.00	91.04	97.88	100.00	100.00
	Airtel	0.01	0.00	99.83	0.03	0.10	0.60	0.70	99.29	0	0.03	0.00	100.00	100.00	100.00	98.10	89.57	100.00	100.00
	Idea	0.01	0.00	99.88	0.47	0.93	0.60	2.04	98.66	0	0.09	0.02	99.98	100.00	100.00	99.48	99.07	100.00	100.00
	MTNL GSM	0.15	0.65	96.74	0.54	1.73	1.87	2.51	97.02	0	0.04	0.01	100.00	100.00	100.00	95.34	98.44	100.00	100.00
	MTNL CDMA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	MTS	0.07	0.07	99.05	0.00	0.05	0.55	0.71	99.21	0	0.00	0.02	100.00	100.00	100.00	99.17	98.45	100.00	100.00
	RCOM CDMA	0.28	0.78	97.89	0.00	0.04	0.29	1.48	99.78	0	0.09	0.08	100.00	100.00	100.00	98.88	97.45	100.00	100.00
	RCOM GSM	0.31	0.49	99.55	0.03	0.07	0.42	0.07	98.64	0	0.09	0.09	100.00	100.00	100.00	98.84	96.66	100.00	100.00
	TATA CDMA	0.07	0.13	98.91	0.00	0.22	0.41	1.01	99.09	0	0.00	0.00	100.00	100.00	100.00	96.02	96.14	100.00	100.00
Vodafone	0.14	0.69	99.31	0.06	0.17	1.20	4.15	97.17	0	0.10	0.05	100.00	100.00	100.00	100.00	98.54	100.00	100.00	
Gujarat	Aircel	0.03	0.00	99.09	0.05	0.09	0.39	2.11	97.49	0	0.00	0.00	100.00	100.00	100.00	96.27	96.89	100.00	100.00
	Airtel	0.06	0.08	99.59	0.10	0.50	0.65	0.95	96.95	0	0.01	0.00	100.00	100.00	100.00	99.16	94.63	100.00	100.00
	BSNL	1.59	1.82	98.28	0.13	0.44	0.92	2.73	100.00	0	0.03	0.00	100.00	100.00	100.00	97.21	97.32	100.00	100.00
	Idea	0.03	0.06	98.98	0.42	0.56	1.03	1.13	96.23	0	0.10	0.06	100.00	100.00	100.00	99.38	99.52	100.00	100.00
	MTS	0.04	0.00	99.51	0.00	0.00	0.26	3.63	99.08	0	0.07	0.01	100.00	100.00	100.00	95.49	95.43	100.00	100.00
	RCOM CDMA	0.23	0.24	99.08	0.00	0.00	0.08	0.16	99.84	0	0.09	0.04	100.00	100.00	100.00	98.14	85.65	100.00	100.00
	RCOM GSM	0.24	0.21	99.48	0.02	0.20	0.35	0.03	98.64	0	0.08	0.08	100.00	100.00	100.00	98.73	64.05	100.00	100.00
	TATA CDMA	0.01	0.00	98.62	0.00	0.26	0.37	1.91	99.36	0	0.00	0.00	100.00	100.00	100.00	98.23	98.13	100.00	98.90
	TATA GSM	0.04	0.06	98.12	0.04	0.06	0.71	2.50	98.65	0	0.00	0.00	100.00	100.00	100.00	98.22	96.38	100.00	99.68
	Telewings	0.12	0.44	97.81	0.24	0.89	0.57	2.07	98.17	0	NA	0.01	100.00	100.00	NA	99.57	98.85	NA	NA
Videcon	0.07	0.07	98.94	0.06	0.03	0.69	1.04	97.65	0	NA	0.04	100.00	100.00	100.00	100.00	99.19	NA	100.00	
Vodafone	0.02	0.05	99.37	0.18	0.63	0.78	1.96	97.27	0	0.09	0.03	100.00	100.00	100.00	100.00	97.27	100.00	100.00	
Haryana	Aircel	0.10	0.00	99.24	0.03	0.00	4.04	3.92	99.23	0	0.00	0.00	100.00	100.00	100.00	96.34	99.25	100.00	100.00
	Airtel	0.04	0.02	99.23	0.13	0.16	0.29	0.74	99.09	0	0.03	0.00	100.00	100.00	100.00	100.00	95.22	100.00	100.00
	BSNL	1.15	1.39	97.62	0.23	0.90	1.31	1.71	97.13	0	0.07	0.02	100.00	100.00	100.00	100.00	84.94	100.00	100.00
	Idea	0.00	0.00	99.98	0.24	0.41	0.62	1.71	98.00	0	0.06	0.04	100.00	100.00	100.00	99.99	99.06	100.00	100.00
	RCOM CDMA	0.48	1.09	98.28	0.00	0.18	0.04	0.12	99.74	0	0.06	0.05	100.00	100.00	100.00	98.90	95.92	100.00	100.00
	RCOM GSM	0.36	1.15	99.63	0.01	0.02	0.22	0.05	99.17	0	0.09	0.09	100.00	100.00	100.00	99.00	92.03	100.00	100.00
	TATA CDMA	0.06	0.08	98.55	0.00	0.02	0.49	2.06	96.26	0	0.00	0.00	100.00	100.00	100.00	97.28	99.15	100.00	100.00
	TATA GSM	0.02	0.02	98.46	0.06	0.50	0.80	2.75	97.03	0	0.00	0.00	100.00	100.00	100.00	99.26	94.11	100.00	100.00
	Videcon	0.13	0.34	98.94	0.04	0.03	0.70	0.78	97.34	0	NA	0.10	100.00	100.00	100.00	100.00	96.43	NA	100.00
Vodafone	0.02	0.00	99.68	0.14	0.32	0.78	1.15	97.55	0	0.03	0.00	100.00	100.00	100.00	100.00	99.15	100.00	100.00	

Annexure 4.1 (Contd.)

Himachal Pradesh	Aircel	0.35	1.46	99.10	0.24	0.69	1.23	11.04	95.41	0	0.00	0.00	100.00	100.00	100.00	98.40	97.16	100.00	100.00
	Airtel	0.05	0.10	99.12	0.11	0.15	0.49	1.37	98.83	0	0.03	0.00	100.00	100.00	100.00	100.00	96.58	100.00	100.00
	BSNL	1.64	1.79	98.25	0.61	1.66	1.54	2.84	96.23	0	0.02	0.02	100.00	100.00	100.00	100.00	85.52	100.00	100.00
	Idea	0.07	0.00	98.61	0.21	0.62	1.36	2.47	96.04	0	0.01	0.02	100.00	100.00	100.00	99.09	98.86	100.00	100.00
	RCOM CDMA	0.21	0.35	99.12	0.00	0.00	0.06	0.24	99.78	0	0.07	0.06	100.00	100.00	100.00	98.61	96.54	100.00	100.00
	RTL	0.20	0.44	98.58	0.03	0.03	0.67	0.07	98.09	0	0.06	0.09	100.00	100.00	100.00	98.96	92.43	100.00	100.00
	TATA CDMA	0.00	0.00	97.95	0.00	0.18	0.27	0.74	98.18	0	0.00	0.00	100.00	100.00	100.00	96.71	99.23	100.00	100.00
	TATA GSM	0.00	0.00	98.50	0.01	0.00	1.44	0.00	97.69	0	0.00	0.00	100.00	100.00	100.00	99.15	98.19	100.00	100.00
Vodafone	0.19	1.11	97.59	0.02	0.17	0.60	2.17	97.98	0	0.01	0.04	100.00	100.00	100.00	100.00	99.84	100.00	100.00	
Jammu & Kashmir	Aircel	1.30	8.91	95.04	1.21	4.46	1.32	10.60	95.16	0	0.00	0.00	100.00	100.00	100.00	95.58	96.25	100.00	100.00
	Airtel	0.12	0.05	98.65	0.29	0.29	0.47	1.14	98.21	0	0.02	0.00	100.00	100.00	100.00	99.30	89.44	100.00	100.00
	Idea	0.59	1.77	98.31	0.15	1.33	1.58	2.53	97.76	0	0.03	0.03	100.00	100.00	100.00	98.15	95.83	100.00	100.00
	RCOM GSM	0.64	1.32	99.55	0.01	0.04	0.42	0.10	98.83	0	0.08	0.07	100.00	100.00	100.00	98.91	81.00	100.00	100.00
	BSNL	0.04	0.06	96.96	0.76	1.59	1.64	2.11	98.00	0	0.06	0.01	100.00	100.00	100.00	100.00	85.00	100.00	100.00
	Vodafone	0.29	1.54	97.82	0.08	0.82	0.83	1.52	98.24	0	0.05	0.08	100.00	100.00	100.00	100.00	99.26	100.00	100.00
Karnataka	Aircel	0.28	2.24	98.23	0.21	0.55	1.35	8.80	96.11	0	0.00	0.00	100.00	100.00	100.00	89.88	89.66	100.00	100.00
	Airtel	0.14	0.40	98.61	0.55	0.40	0.59	0.81	99.27	0	0.01	0.00	100.00	100.00	100.00	100.00	80.59	100.00	100.00
	BSNL	0.98	1.89	98.59	0.11	0.44	0.88	2.17	96.87	0	0.03	0.10	100.00	100.00	100.00	99.00	92.30	100.00	100.00
	Idea	0.08	0.23	97.92	0.49	0.27	0.54	1.89	96.16	0	0.04	0.04	100.00	100.00	100.00	98.84	99.24	100.00	100.00
	MTS	0.15	0.00	99.44	0.00	0.05	0.43	1.13	99.19	0	0.00	0.01	100.00	100.00	100.00	95.27	95.90	100.00	100.00
	RCOM CDMA	0.40	0.98	98.26	0.00	0.01	0.07	0.05	99.77	0	0.09	0.03	100.00	100.00	100.00	97.78	70.72	100.00	100.00
	RCOM GSM	0.36	0.68	99.56	0.03	0.11	0.32	0.02	98.77	0	0.07	0.09	100.00	100.00	100.00	99.30	51.90	100.00	100.00
	TATA CDMA	0.12	0.08	99.03	0.00	0.07	0.43	1.37	98.28	0	0.00	0.00	100.00	100.00	100.00	99.41	97.31	100.00	96.78
TATA GSM	0.05	0.28	98.35	0.15	0.27	0.72	2.90	97.59	0	0.00	0.00	100.00	100.00	100.00	99.13	96.22	100.00	100.00	
Vodafone	0.07	0.20	99.84	0.09	0.16	0.54	2.14	98.78	0	0.09	0.09	100.00	100.00	100.00	100.00	97.96	100.00	100.00	
Kerala	Aircel	0.43	0.42	99.83	0.01	0.00	0.62	2.66	99.33	0	0.00	0.00	100.00	100.00	100.00	98.30	96.97	100.00	100.00
	Airtel	0.02	0.00	99.77	0.10	0.07	0.23	0.88	99.75	0	0.01	0.00	100.00	100.00	100.00	100.00	96.21	100.00	100.00
	BSNL	0.24	0.67	98.00	0.34	1.59	0.59	1.47	99.73	0	0.01	0.10	85.65	95.60	100.00	97.00	98.20	100.00	100.00
	Idea	0.07	0.00	99.87	0.25	1.05	0.63	1.93	95.18	0	0.09	0.05	100.00	100.00	100.00	99.60	99.55	100.00	100.00
	MTS	0.04	0.00	99.62	0.00	0.00	0.50	2.71	99.22	0	0.06	0.05	100.00	100.00	100.00	99.30	95.00	100.00	100.00
	RCOM CDMA	0.11	0.00	98.54	0.00	0.03	0.04	0.07	99.73	0	0.09	0.06	100.00	100.00	100.00	99.04	95.16	100.00	100.00
	RCOM GSM	0.10	0.00	99.68	0.01	0.09	0.23	0.05	99.16	0	0.08	0.09	100.00	100.00	100.00	99.32	82.79	100.00	100.00
	TATA CDMA	0.03	0.00	98.79	0.00	0.01	0.62	0.21	99.14	0	0.00	0.00	100.00	100.00	100.00	99.00	98.42	100.00	98.00
	TATA GSM	0.04	0.00	98.94	0.03	0.06	0.60	0.74	98.30	0	0.00	0.00	100.00	100.00	100.00	98.43	96.10	100.00	99.62
Vodafone	0.03	0.08	99.54	0.09	0.46	0.57	0.95	97.79	0	0.10	0.04	100.00	100.00	100.00	100.00	100.00	100.00	100.00	

Annexure 4.1 (Contd.)

Kolkata	Aircel	0.32	1.69	98.11	0.66	0.49	0.74	2.47	97.22	0	0.00	0.00	100.00	100.00	100.00	59.59	86.25	100.00	100.00
	Airtel	0.04	0.02	99.64	0.13	0.31	0.97	2.00	96.16	0	0.01	0.00	100.00	100.00	100.00	100.00	88.48	100.00	100.00
	BSNL	3.24	17.95	99.42	0.49	0.44	0.48	2.74	99.78	0	0.01	0.08	99.95	100.00	100.00	96.00	95.57	100.00	100.00
	Idea	0.10	0.32	99.63	0.04	0.16	0.22	0.22	97.00	0	0.07	0.04	100.00	100.00	100.00	99.28	96.77	100.00	100.00
	MTS	0.07	0.00	99.83	0.00	0.00	0.52	1.28	99.30	0	0.04	0.01	100.00	100.00	100.00	95.92	95.87	100.00	100.00
	RCOM CDMA	0.19	0.07	98.96	0.00	0.01	0.13	0.95	99.75	0	0.09	0.07	100.00	100.00	100.00	99.26	98.84	100.00	100.00
	RTL	0.16	0.04	99.40	0.02	0.01	0.41	0.03	98.15	0	0.09	0.09	100.00	100.00	100.00	98.93	92.12	100.00	100.00
	TATA CDMA	0.06	0.00	99.00	0.00	0.10	0.67	1.77	99.23	0	0.01	0.00	100.00	100.00	100.00	98.81	93.31	100.00	99.26
	TATA GSM	0.04	0.15	98.57	0.07	0.05	0.69	1.67	97.65	0	0.00	0.00	100.00	100.00	100.00	97.75	91.22	100.00	100.00
Vodafone	0.04	0.16	99.68	0.06	0.32	0.78	2.47	97.18	0	0.03	0.04	100.00	100.00	99.23	100.00	97.53	100.00	100.00	
Madhya Pradesh	Aircel	0.25	1.04	98.50	0.19	0.00	0.73	1.13	99.37	0	0.00	0.00	100.00	100.00	100.00	97.92	98.49	100.00	100.00
	Airtel	0.08	0.11	99.54	0.07	0.51	0.75	2.17	96.61	0	0.02	0.00	100.00	100.00	100.00	100.00	97.32	100.00	100.00
	BSNL	1.94	1.48	96.03	0.76	1.72	1.67	2.55	96.83	0	0.00	0.03	100.00	100.00	100.00	99.58	99.97	100.00	100.00
	Idea	0.52	1.46	97.85	0.73	1.59	0.86	2.02	97.05	0	0.10	0.03	100.00	100.00	100.00	98.38	97.57	100.00	100.00
	RCOM CDMA	0.43	1.20	99.30	0.00	0.00	0.08	0.40	99.84	0	0.07	0.09	100.00	100.00	100.00	97.91	97.29	100.00	100.00
	RTL	0.17	0.08	98.76	0.05	0.14	0.55	0.03	97.88	0	0.09	0.09	100.00	100.00	100.00	98.96	98.74	100.00	100.00
	TATA CDMA	0.06	0.00	98.88	0.00	0.30	0.46	1.65	99.18	0	0.00	0.00	100.00	100.00	100.00	98.13	97.62	100.00	100.00
	TATA GSM	0.01	0.00	98.59	0.05	0.05	0.57	1.69	98.67	0	0.00	0.00	100.00	100.00	100.00	98.18	97.20	100.00	100.00
	Videcon	0.18	0.86	99.06	0.09	0.10	0.70	1.08	98.74	0	NA	0.07	100.00	100.00	100.00	100.00	96.18	NA	100.00
Vodafone	0.11	0.23	99.48	0.13	0.52	0.74	1.48	98.85	0	0.07	0.08	100.00	100.00	100.00	100.00	99.24	100.00	100.00	
Maharashtra	Aircel	0.08	0.16	99.48	0.06	0.08	0.86	4.25	96.90	0	0.00	0.01	100.00	100.00	100.00	98.34	95.70	100.00	100.00
	Airtel	0.01	0.00	99.87	0.04	0.08	0.45	0.11	98.90	0	0.02	0.00	100.00	100.00	100.00	100.00	93.04	100.00	100.00
	BSNL	1.92	1.77	95.88	0.59	1.60	1.37	2.19	96.54	0	0.00	0.02	100.00	100.00	100.00	100.00	97.38	100.00	100.00
	Idea	0.06	0.21	98.30	0.89	1.19	0.98	1.01	97.43	0	0.08	0.01	100.00	100.00	100.00	99.20	99.01	100.00	100.00
	RCOM CDMA	0.33	1.03	98.20	0.00	0.02	0.21	0.84	99.79	0	0.08	0.07	100.00	100.00	100.00	99.31	83.98	100.00	100.00
	RCOM GSM	0.27	0.82	99.53	0.03	0.05	0.29	0.03	98.77	0	0.09	0.09	100.00	100.00	100.00	99.14	83.03	100.00	100.00
	TATA CDMA	0.02	0.00	98.32	0.00	0.34	0.83	2.10	99.67	0	0.00	0.00	100.00	100.00	100.00	99.09	97.76	100.00	100.00
	TATA GSM	0.01	0.00	99.61	0.08	0.13	0.63	2.33	97.40	0	0.00	0.00	100.00	100.00	100.00	98.21	94.65	100.00	100.00
	Telewings	0.20	0.96	97.71	0.43	1.37	0.54	1.27	97.83	0	NA	0.03	100.00	100.00	NA	97.27	99.51	NA	NA
Vodafone	0.09	0.30	99.40	0.40	0.60	0.73	2.01	97.28	0	0.06	0.06	100.00	100.00	100.00	99.98	98.71	100.00	100.00	
Mumbai	Aircel	0.04	0.00	97.87	0.24	1.07	1.11	6.75	97.25	0	0.00	0.00	100.00	100.00	100.00	99.02	93.02	100.00	99.46
	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	99.97	94.51	100.00	100.00
	Idea	0.07	0.03	98.33	0.50	1.34	1.24	2.39	96.36	0	0.12	0.09	100.00	100.00	100.00	99.71	98.61	100.00	100.00
	RCOM CDMA	0.32	0.31	97.97	0.00	0.02	0.82	0.08	99.78	0	0.09	0.03	100.00	100.00	100.00	98.82	91.66	100.00	100.00
	RCOM GSM	0.25	0.37	99.59	0.04	0.08	0.41	0.05	98.89	0	0.09	0.09	100.00	100.00	100.00	98.98	91.37	100.00	100.00
	TATA CDMA	0.04	0.00	98.96	0.00	0.05	0.61	2.33	99.02	0	0.00	0.00	100.00	100.00	100.00	99.54	94.05	100.00	99.73
	TATA GSM	0.03	0.00	99.38	0.12	0.31	0.22	2.52	97.61	0	0.00	0.00	100.00	100.00	100.00	99.39	94.26	100.00	100.00
	Vodafone	0.02	0.00	99.04	0.05	0.96	1.05	1.99	97.25	0	0.06	0.01	100.00	100.00	100.00	99.91	98.51	100.00	100.00
	MTNL GSM	0.59	1.21	98.27	0.39	0.09	1.27	2.06	95.49	0	0.03	0.01	100.00	100.00	100.00	95.11	95.11	100.00	100.00
MTNL CDMA	0.50	1.47	98.13	0.80	0.02	1.27	1.56	97.10	0	NR	NR	NR	NR	NR	NR	NR	NR	NR	

Annexure 4.1 (Contd.)

North East	Aircel	7.17	37.03	93.88	1.24	4.72	1.81	17.99	93.03	0	0.00	0.00	100.00	100.00	100.00	95.72	99.16	100.00	100.00
	Airtel	0.33	1.41	97.15	0.61	0.56	0.94	0.68	98.95	0	0.00	0.00	100.00	100.00	100.00	100.00	94.97	100.00	100.00
	BSNL	3.00	8.33	94.81	3.42	4.19	3.98	11.46	92.61	0	0.05	0.03	97.67	100.00	100.00	97.50	96.08	100.00	100.00
	Idea	1.30	1.30	97.35	0.17	1.48	1.68	1.75	95.44	0	0.00	0.01	100.00	100.00	100.00	100.00	99.23	100.00	100.00
	RTL	0.36	1.38	98.58	0.02	0.25	0.63	0.09	98.23	0	0.07	0.05	100.00	100.00	100.00	98.10	95.35	100.00	100.00
	Vodafone	1.61	1.86	99.65	0.06	0.35	0.64	2.35	98.34	0	0.16	0.03	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Orissa	Aircel	1.82	12.26	97.98	0.77	1.53	1.30	11.65	95.43	0	0.00	0.00	100.00	100.00	100.00	67.36	99.25	100.00	100.00
	Airtel	0.07	0.12	98.94	0.33	1.79	0.76	0.84	96.13	0	0.03	0.00	100.00	100.00	100.00	100.00	98.26	100.00	100.00
	BSNL	1.37	1.51	98.52	0.53	1.48	1.92	2.82	98.00	0	0.00	0.02	100.00	100.00	100.00	98.00	98.67	100.00	100.00
	Idea	0.14	0.65	97.57	0.16	0.55	0.48	1.01	95.71	0	0.03	0.05	100.00	100.00	100.00	98.74	97.25	100.00	100.00
	RCOM CDMA	0.50	1.12	99.72	0.00	0.00	0.29	2.62	99.77	0	0.07	0.06	100.00	100.00	100.00	98.65	98.43	100.00	100.00
	RTL	0.13	0.43	98.54	0.20	0.51	0.56	0.17	98.18	0	0.07	0.09	100.00	100.00	100.00	98.94	95.66	100.00	100.00
	TATA CDMA	0.09	0.00	98.76	0.00	0.15	0.46	1.51	98.25	0	0.00	0.00	100.00	100.00	100.00	99.27	95.63	100.00	100.00
	TATA GSM	0.05	0.16	98.14	0.14	0.68	0.43	1.08	97.61	0	0.00	0.00	100.00	100.00	100.00	95.71	96.34	100.00	100.00
Vodafone	0.15	0.51	99.59	0.29	0.41	0.63	1.87	98.50	0	0.05	0.07	100.00	100.00	100.00	99.99	98.30	100.00	100.00	
Punjab	Aircel	0.13	0.22	97.95	0.07	0.71	0.69	3.55	96.85	0	0.00	0.00	100.00	100.00	100.00	93.11	95.75	100.00	100.00
	Airtel	0.04	0.02	99.43	0.08	0.07	0.35	0.63	98.77	0	0.03	0.00	100.00	100.00	100.00	99.98	95.47	100.00	100.00
	BSNL	0.53	1.83	96.66	0.80	1.50	1.73	18.91	95.55	2	0.05	0.14	100.00	100.00	100.00	100.00	88.75	100.00	100.00
	Idea	0.08	0.27	98.91	0.07	0.19	0.47	0.39	98.01	0	0.05	0.04	100.00	100.00	100.00	99.92	99.51	100.00	100.00
	QTL cdma	0.58	0.00	98.88	0.18	0.41	0.21	0.16	97.84	0	0.00	0.00	100.00	100.00	100.00	97.00	97.00	100.00	100.00
	QTL gsm	0.09	0.17	98.46	0.05	0.36	0.95	1.15	96.99	0	0.00	0.00	100.00	100.00	100.00	100.00	96.30	100.00	100.00
	RCOM CDMA	0.17	0.11	98.65	0.00	0.00	0.02	0.12	99.72	0	0.07	0.07	100.00	100.00	100.00	98.81	95.47	100.00	100.00
	RCOM GSM	0.17	0.24	99.65	0.01	0.03	0.28	0.04	98.93	0	0.08	0.10	100.00	100.00	100.00	98.89	95.07	100.00	100.00
	TATA CDMA	0.02	0.00	98.70	0.00	0.11	0.51	0.42	99.01	0	0.00	0.00	100.00	100.00	100.00	99.53	99.05	100.00	100.00
	TATA GSM	0.03	0.00	98.85	0.03	0.22	0.65	2.11	97.24	0	0.00	0.00	100.00	100.00	100.00	99.33	96.11	100.00	100.00
Vodafone	0.02	0.00	99.84	0.02	0.16	0.57	1.20	98.14	0	0.03	0.02	100.00	100.00	100.00	100.00	99.61	100.00	100.00	
Rajasthan	Aircel	0.12	0.52	97.08	0.30	0.57	0.80	3.15	96.64	0	0.00	0.00	100.00	100.00	100.00	85.08	84.38	100.00	100.00
	Airtel	0.06	0.11	98.75	0.20	0.44	0.83	1.12	98.99	0	0.01	0.00	100.00	100.00	100.00	100.00	93.90	100.00	100.00
	BSNL	1.61	1.77	98.64	0.54	1.72	1.35	1.98	98.43	0	0.04	0.05	100.00	100.00	100.00	99.00	90.25	100.00	100.00
	Idea	0.07	0.06	99.08	0.29	0.55	0.98	2.04	96.23	0	0.05	0.06	100.00	100.00	100.00	99.22	98.58	99.56	100.00
	MTS	0.04	0.00	99.14	0.00	0.17	0.35	0.25	99.21	0	0.07	0.03	100.00	100.00	100.00	99.21	99.01	100.00	100.00
	RCOM CDMA	0.15	0.39	98.94	0.00	0.01	0.09	0.35	99.72	0	0.08	0.07	100.00	100.00	100.00	98.80	98.42	100.00	100.00
	RCOM GSM	0.12	0.11	99.63	0.02	0.05	0.34	0.02	98.62	0	0.08	0.09	100.00	100.00	100.00	98.93	98.28	100.00	100.00
	TATA CDMA	0.06	0.00	97.73	0.00	1.44	0.51	1.00	98.87	0	0.00	0.00	100.00	100.00	100.00	98.35	98.23	100.00	99.63
TATA GSM	0.14	0.07	98.37	0.09	0.09	0.72	1.70	98.57	0	0.00	0.00	100.00	100.00	100.00	98.48	95.77	100.00	100.00	
Vodafone	0.03	0.10	99.70	0.15	0.30	0.72	1.11	97.07	0	0.07	0.09	100.00	100.00	100.00	100.00	91.71	100.00	96.00	

Annexure 4.1 (Contd.)

Tamil Nadu	Aircel	0.17	0.40	98.66	0.41	0.92	1.06	6.16	95.48	0	0.00	0.00	100.00	100.00	100.00	95.75	97.69	99.99	100.00	
	Airtel	0.01	0.01	99.73	0.11	0.09	0.18	0.39	99.71	0	0.01	0.00	100.00	100.00	100.00	100.00	96.78	100.00	100.00	
	Idea	0.01	0.00	99.43	0.07	0.13	0.20	0.64	97.00	0	0.03	0.09	100.00	100.00	100.00	99.13	98.61	100.00	100.00	
	MTS	0.03	0.00	99.50	0.00	0.01	0.41	1.67	99.21	0	0.06	0.00	100.00	100.00	100.00	97.95	97.74	100.00	100.00	
	TATA CDMA	0.04	0.00	98.82	0.00	0.03	0.38	1.11	98.85	0	0.00	0.00	100.00	100.00	100.00	99.38	98.67	100.00	98.62	
	TATA GSM	0.06	0.17	99.50	0.05	0.04	0.62	2.18	98.69	0	0.00	0.00	100.00	100.00	100.00	99.39	93.48	100.00	100.00	
	BSNL	0.48	1.66	99.01	0.12	0.50	0.91	1.83	97.17	0	0.02	0.01	100.00	100.00	100.00	100.00	97.00	100.00	100.00	
	RCOM CDMA	Incl. In CHN										0.09	0.06	100.00	100.00	100.00	98.04	89.91	100.00	100.00
	RCOM GSM	Incl. In CHN										0.09	0.09	100.00	100.00	100.00	99.02	87.68	100.00	100.00
Vodafone	0.03	0.13	99.60	0.11	0.40	0.67	1.34	97.69	0	0.03	0.03	100.00	100.00	100.00	100.00	97.22	100.00	95.00		
UP-East	Aircel	0.10	0.32	98.79	0.65	0.97	0.53	2.40	97.74	0	0.00	0.00	100.00	100.00	100.00	98.04	94.49	100.00	100.00	
	Airtel	0.35	1.23	98.66	0.41	0.41	0.64	2.79	97.67	0	0.02	0.00	100.00	100.00	100.00	100.00	94.23	100.00	100.00	
	BSNL	1.53	1.86	98.10	0.89	1.55	1.46	2.53	96.50	0	0.09	0.08	98.80	100.00	100.00	98.55	97.94	100.00	100.00	
	Idea	0.18	0.56	96.69	0.61	1.86	1.13	2.82	96.59	0	0.07	0.03	100.00	100.00	100.00	99.91	99.87	100.00	100.00	
	RCOM CDMA	0.50	1.66	98.30	0.00	0.03	0.28	1.46	99.84	0	0.09	0.09	100.00	100.00	100.00	98.03	89.17	100.00	100.00	
	RCOM GSM	0.30	0.68	99.42	0.03	0.09	0.24	0.01	98.88	0	0.07	0.09	100.00	100.00	100.00	98.45	95.28	100.00	100.00	
	TATA CDMA	0.03	0.00	98.42	0.00	0.10	0.55	1.42	99.21	0	0.00	0.00	100.00	100.00	100.00	99.58	98.11	100.00	100.00	
	TATA GSM	0.15	0.82	96.46	0.36	1.84	0.92	2.89	96.93	0	0.00	0.00	100.00	100.00	100.00	98.62	95.56	100.00	100.00	
	Telewings	0.28	1.13	97.43	0.32	1.44	0.58	1.27	93.55	0	NA	0.01	100.00	100.00	NA	98.89	99.24	NA	NA	
Videocon	0.03	0.00	98.71	0.60	0.29	1.16	0.00	98.43	0	NA	0.00	100.00	100.00	100.00	100.00	95.76	NA	100.00		
Vodafone	0.07	0.24	98.64	0.26	1.35	1.03	2.40	96.79	2	0.08	0.03	100.00	100.00	100.00	100.00	98.33	100.00	100.00		
UP-West	Aircel	0.14	0.69	98.67	0.24	0.57	0.30	1.85	96.77	0	0.00	0.00	100.00	100.00	100.00	98.42	90.93	100.00	100.00	
	Airtel	0.83	1.54	97.86	0.61	1.07	1.21	2.36	97.77	0	0.02	0.00	100.00	100.00	100.00	100.00	83.47	100.00	100.00	
	BSNL	0.86	1.82	97.67	0.51	1.23	1.28	1.74	96.56	0	0.01	0.00	100.00	100.00	100.00	100.00	98.05	99.90	100.00	
	Idea	0.04	0.04	97.54	0.86	1.95	1.03	2.26	96.56	0	0.08	0.00	100.00	100.00	100.00	98.95	99.27	100.00	100.00	
	MTS	0.01	0.00	99.62	0.00	0.00	0.42	1.67	99.21	0	0.05	0.03	100.00	100.00	100.00	96.47	96.98	100.00	100.00	
	RCOM CDMA	0.49	1.70	99.28	0.00	0.00	0.18	0.89	99.78	0	0.09	0.09	100.00	100.00	100.00	98.81	96.03	100.00	100.00	
	RCOM GSM	0.31	1.05	99.62	0.02	0.05	0.22	0.04	98.72	0	0.08	0.09	100.00	100.00	100.00	98.79	95.44	100.00	100.00	
	TATA CDMA	0.05	0.07	99.03	0.00	0.05	0.47	1.17	98.92	0	0.00	0.00	100.00	100.00	100.00	99.19	96.07	100.00	100.00	
	TATA GSM	0.14	0.48	98.32	0.13	0.52	0.87	2.16	97.19	0	0.00	0.00	100.00	100.00	100.00	98.91	91.76	100.00	100.00	
Telewings	0.14	0.10	98.56	0.36	0.92	0.48	1.10	95.40	0	NA	0.02	100.00	100.00	NA	98.97	98.85	NA	NA		
Videocon	0.14	0.00	99.18	0.04	0.61	0.69	0.00	99.39	0	NA	0.00	100.00	100.00	100.00	100.00	95.51	NA	100.00		
Vodafone	0.18	0.41	99.33	0.24	0.67	0.85	2.06	97.21	0	0.09	0.10	100.00	100.00	100.00	100.00	97.88	100.00	100.00		
West Bengal	Aircel	1.87	7.99	97.29	0.66	1.18	1.34	10.16	95.50	0	0.00	0.00	100.00	100.00	100.00	34.81	95.59	100.00	100.00	
	Airtel	0.02	0.01	98.84	0.35	1.53	1.01	1.50	95.60	0	0.02	0.00	100.00	100.00	100.00	99.93	88.27	100.00	100.00	
	BSNL	3.14	16.61	98.11	1.76	1.38	1.45	7.74	96.25	0	0.03	0.08	99.29	100.00	100.00	98.70	97.62	100.00	100.00	
	Idea	0.05	0.35	97.36	0.16	0.88	0.39	0.41	95.28	0	0.07	0.04	100.00	100.00	100.00	98.84	97.68	100.00	100.00	
	MTS	0.14	0.00	99.62	0.00	0.13	0.68	1.88	99.83	0	0.06	0.01	100.00	100.00	100.00	95.94	96.51	100.00	100.00	
	RCOM CDMA	0.41	0.65	98.19	0.00	0.06	0.22	0.56	99.68	0	0.09	0.07	100.00	100.00	100.00	99.41	98.84	100.00	100.00	
	RTL	0.31	1.00	98.68	0.04	0.18	0.59	0.05	98.26	0	0.07	0.09	100.00	100.00	100.00	98.99	93.74	100.00	100.00	
	TATA CDMA	0.01	0.00	98.67	0.00	0.04	0.78	2.24	98.01	0	0.00	0.00	100.00	100.00	100.00	99.54	97.23	100.00	100.00	
TATA GSM	0.02	0.00	98.53	0.12	0.52	0.59	0.75	97.54	0	0.00	0.00	100.00	100.00	100.00	96.56	96.93	100.00	100.00		
Vodafone	0.04	0.20	99.19	0.32	0.81	0.70	1.56	95.47	0	0.03	0.02	100.00	100.00	99.38	100.00	96.22	100.00	100.00		

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

Performance Monitoring Report on Quality of Service of Cellular Mobile Service Providers for quarter ending, March , 2015										
Name of the Service Area / City	Name of Service Provider	Network Availability		Connection Establishment (Accessibility)			Connection Maintenance (Retainability)			POI
		BTS and Node-B's Accumulated downtime (not available for service) (%)	Worst affected BTSs and Node-B's due to downtime (%)	Call Set-up Success Rate (within licensee's own network)	SDCCH/Paging Channel and RRC Congestion (%)	TCH and Circuit Switched RAB Congestion (%)	Call Drop and Circuit Switched Voice Drop Rate: (%)	Worst affected cells having more than 3% TCH drop (call drop) and Circuit Switched Voice Drop Rate:- CBBH	Connections with good voice quality and Circuit Switch Voice Quality (CSV quality)	Point of Interconnection (POI) Congestion
		1	2	3	4	5	6	7	8	9
Benchmark		≤ 2%	≤ 2%	≥ 95%	≤ 1%	≤ 2%	≤ 2%	≤ 3%	≥ 95%	≤ 0.5%
Andhra Pradesh	Aircel	0.10	0.08	98.33	0.69	0.99	0.75	7.88	99.78	0
	Airtel	0.11	0.10	99.13	0.09	0.00	0.37	0.72	99.03	0
	BSNL	0.77	1.93	98.00	0.77	1.83	0.80	4.97	99.80	0
	Idea	0.04	0.08	99.12	0.23	0.49	0.46	1.62	99.79	0
Assam	Aircel	1.66	9.22	98.40	0.28	0.03	1.31	13.71	99.13	0
	Airtel	0.13	0.37	96.30	0.78	0.73	0.61	1.03	98.98	0
	BSNL	1.83	1.93	95.67	0.00	0.00	1.80	2.80	94.67	0
	RTL	0.78	1.51	96.46	0.51	0.02	1.27	1.37	99.82	0
Bihar	Aircel	1.76	8.96	98.48	0.32	0.07	1.19	13.87	99.12	0
	Airtel	0.18	1.20	99.55	0.03	0.36	0.80	1.86	99.55	0
	BSNL	5.22	21.47	96.50	0.00	0.47	1.83	6.37	96.68	0
	RTL	0.32	0.65	96.66	0.79	0.04	1.16	1.78	99.78	0
Chennai	Aircel	CHN Incl. In TN								
	Airtel	0.05	0.04	99.11	0.32	0.68	0.21	0.63	99.70	0
	BSNL	1.50	1.83	99.00	0.90	1.77	1.60	1.93	95.53	0
	Vodafone	0.06	0.03	99.63	0.38	0.20	0.30	0.61	98.93	0
Delhi	Airtel	0.16	0.74	97.93	0.19	0.32	0.48	2.33	98.92	0
	MTNL	0.60	1.47	96.70	0.60	1.60	1.33	1.80	96.30	0
	RCOM	0.25	1.19	98.29	0.56	1.12	0.61	1.43	99.65	0
	Vodafone	0.20	1.11	99.32	0.25	0.49	0.58	2.07	99.10	0
Gujarat	BSNL	1.50	1.80	96.67	0.80	1.30	1.57	2.50	100.00	0
	Idea	0.06	0.09	99.46	0.69	0.38	0.51	1.58	99.05	0
	TATA	0.04	0.00	98.42	0.29	0.57	0.51	0.71	99.68	0
	Vodafone	0.02	0.01	99.79	0.08	0.06	0.19	0.21	98.95	0

Annexure 4.2 (Contd.)

Haryana	BSNL	1.83	1.50	96.74	0.87	0.87	1.47	2.43	96.62	0
	Idea	0.00	0.00	99.20	0.50	0.00	0.26	0.82	99.01	0
	TATA	0.05	0.12	98.53	0.77	0.81	0.30	0.88	99.19	0
	Vodafone	0.04	0.10	99.73	0.18	0.05	0.43	1.23	98.93	0
Himachal Pradesh	Airtel	0.05	0.07	99.13	0.23	0.00	0.58	1.47	98.49	0
	BSNL	1.97	1.57	96.00	0.90	1.87	1.87	2.70	96.47	0
	Idea	0.10	0.00	98.11	0.69	0.21	1.32	2.39	98.78	0
	RTL	0.14	0.20	98.10	0.14	0.00	0.55	1.07	99.90	0
Jammu & Kashmir	Aircel	1.66	13.52	98.04	0.45	0.11	1.42	14.61	99.07	0
	Airtel	0.15	0.05	99.13	0.34	0.00	0.75	1.16	98.95	0
	BSNL	1.33	1.53	97.00	0.57	1.47	1.60	2.27	98.10	0
	Idea	0.77	1.77	98.79	0.67	0.35	1.73	2.46	99.01	0
	RCOM	0.23	1.31	96.71	0.45	0.98	1.45	2.04	98.98	0
Karnataka	Aircel	0.19	0.62	98.55	0.74	0.71	0.92	11.46	99.78	0
	Airtel	0.04	0.12	99.22	0.06	0.25	0.19	1.48	99.68	0
	BSNL	0.70	1.93	98.00	0.77	1.30	0.83	2.30	97.50	0
	TATA	0.05	0.19	98.20	0.96	1.13	0.53	2.06	99.10	0
Kerala	Aircel	0.00	0.00	99.70	0.31	0.56	0.32	0.18	99.60	0
	BSNL	0.37	0.10	95.67	0.10	0.90	1.20	0.10	99.90	0
	Idea	0.05	0.00	99.44	0.91	0.36	0.27	1.26	98.35	0
	TATA	0.02	0.00	98.95	0.20	0.36	0.28	0.02	99.81	0
Kolkata	Aircel	0.38	2.15	99.29	0.19	0.05	0.23	2.30	99.22	0
	BSNL	5.07	23.03	98.33	0.53	0.57	0.43	0.40	99.80	0
	RTL	0.20	0.81	96.76	0.56	0.03	1.09	1.46	99.83	0
	Vodafone	0.05	0.16	99.77	0.02	0.02	0.32	0.66	99.02	0
Madhya Pradesh	BSNL	1.94	1.17	96.51	0.55	1.40	1.45	3.03	96.47	0
	Idea	0.05	0.07	98.73	0.36	0.51	0.90	1.60	99.29	0
	RTL	0.28	0.71	96.92	0.56	0.15	0.98	1.39	99.79	0
	TATA	0.02	0.03	98.15	0.46	0.72	0.44	0.59	99.70	0
Maharashtra	BSNL	1.93	1.70	96.00	0.20	1.83	1.83	2.50	96.03	0
	Idea	0.06	0.10	99.54	0.46	0.21	0.89	2.83	98.67	0
	TATA	0.01	0.00	97.29	0.76	0.73	0.72	2.26	100.00	0
	Vodafone	0.10	0.16	99.73	0.14	0.07	0.27	0.73	98.95	0
Mumbai	Airtel	0.01	0.00	99.95	0.00	0.00	0.16	0.03	99.92	0
	MTNL	0.50	1.13	96.23	0.87	1.13	1.57	2.47	98.95	0
	RCOM	0.13	1.14	97.59	0.39	1.08	0.71	1.54	99.65	0
	Vodafone	0.03	0.00	99.17	0.00	0.00	0.48	1.76	98.94	0

Annexure 4.2 (Contd.)

North East	Aircel	9.16	40.55	95.71	0.17	0.05	1.97	17.16	99.06	0
	Airtel	0.79	0.97	97.40	0.43	1.67	0.98	0.76	98.91	0
	BSNL	2.27	10.40	94.17	3.55	4.78	1.25	7.25	94.22	0
	RTL	1.40	1.45	96.61	0.27	0.01	1.47	1.94	99.80	0
Orissa	Aircel	1.24	6.88	97.92	0.37	0.11	1.26	14.71	99.07	0
	BSNL	1.33	1.90	95.67	0.97	1.83	0.93	2.57	98.00	0
	RTL	0.34	1.17	96.76	0.41	0.02	1.10	1.26	99.84	0
Punjab	Aircel	0.18	0.61	98.89	0.24	0.00	0.90	12.22	99.27	0
	BSNL	0.39	1.58	95.80	0.85	0.96	1.85	2.85	95.93	2
	Idea	0.11	0.18	99.37	0.53	0.32	0.64	1.59	99.56	0
	RCOM	0.17	0.92	98.22	0.15	0.62	0.38	1.52	99.72	0
	TATA	0.07	0.12	98.84	0.52	0.58	0.43	1.53	99.09	0
Rajasthan	Airtel	0.06	0.05	99.48	0.07	0.09	0.44	1.41	98.92	0
	BSNL	1.67	1.67	99.00	0.00	0.00	1.37	2.23	98.43	0
	RCOM	0.27	0.99	97.82	0.55	1.00	0.40	1.23	99.71	0
	TATA	0.00	0.00	100.00	0.00	0.00	0.00	0.00	100.00	0
Tamil Nadu	Aircel	0.33	0.94	92.58	0.27	0.26	0.72	6.88	97.65	0
	Airtel	0.01	0.01	99.65	0.05	0.29	0.15	1.23	99.39	0
	BSNL	0.40	1.93	97.33	0.07	0.80	0.13	0.80	99.40	0
	Vodafone	0.04	0.04	99.85	0.06	0.01	0.26	0.60	99.03	0
UP-East	Aircel	0.13	0.17	99.30	0.13	0.01	0.72	8.06	99.82	0
	BSNL	1.86	1.85	97.30	0.82	1.76	1.64	0.87	96.47	0
	Idea	0.20	0.61	98.98	0.55	0.66	0.41	2.80	98.72	0
	Vodafone	0.23	1.05	99.85	0.03	0.02	0.24	0.66	98.95	2
UP-West	Airtel	1.02	1.51	98.88	0.29	0.00	0.72	2.82	98.59	0
	BSNL	1.64	1.78	96.86	0.86	1.88	1.76	2.64	96.24	0
	Idea	0.25	0.77	99.42	0.62	0.29	0.26	2.05	98.96	0
	TATA	0.13	0.56	99.06	0.34	0.55	0.28	0.57	99.22	0
West Bengal	Aircel	1.02	4.82	99.19	0.13	0.00	0.31	4.29	99.03	0
	Airtel	0.05	0.00	99.57	0.26	1.41	0.57	2.89	99.56	0
	BSNL	1.56	9.44	96.09	0.44	0.65	1.47	2.13	96.50	0
	RTL	0.46	1.33	97.47	0.62	0.13	1.47	1.69	99.80	0
	Vodafone	0.25	1.26	99.62	0.04	0.03	0.41	1.09	98.95	0

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

Quarterly Performance Monitoring Report (PMR) on QoS of Basic Telephone Service (Wireline) for QE March,2015																			
Sl. No.	Name of Service Area	Name of Service Provider	Faults incidences (No. of faults/100 Subs./month)	Fault Repair				Rent Rebate	Mean Time to Repair (MTR)	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				Metering and Billing credibility - post paid	Metering and billing credibility - pre paid	Resolution of billing/charging/valid ity complaints	Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of complaints	Accessibility of call centre/ customer care	Percentage of calls answered by the operators (voice to voice) within 90 seconds	%age requests for Termination / Closure of service complied within 7 days	Time taken for refund of deposits after closures	
				≤7	For urban areas by next working day: ≥ 85%	For urban areas: ≥ 100%	For rural and hilly areas: ≥ 75%				For rural and hilly areas: ≥ 100%	≤ 10 Hrs	≤ 0.5%	≤ 0.1%	≤ 0.1%	98% within 4 weeks	100% within 6 weeks	1 week of resolution of complaint	≥ 95%
1	A&N	BSNL	3.00	96.00%	100.00%	96	100%	5	7.00	0.00	0.10%	0	98.00%	100.00%	100.00%	100.00%	86.33%	100.00%	100.00%
2	AP	Reliance	0.10	100.00%	100.00%	NA	NA	0	4.40	0.00	0.00%	NA	100.00%	100.00%	100.00%	97.00%	96.00%	100.00%	100.00%
3		TTSL	4.00	96.00%	100.00%	NA	NA	NA	5	0.00%	0.00%	NA	91.00%	92.00%	100.00%	98.00%	98.00%	100.00%	100.00%
4		Vodafone	0.08	100.00%	NA	NA	NA	NA	2.32	0.00%	0.00	NA	NA	NA	NA	96.33%	100.00%	100.00%	NA
5		Bharti	2.27	97.71%	100.00%	NA	NA	0	3.17	0.00	0.01%	NA	100.00%	100.00%	100.00%	89.17%	97.38%	100.00%	100.00%
6		BSNL	3.00	94.00%	100.00%	89	100%	208	8.00	0.00	0.01%	0.00	100.00%	100.00%	100.00%	96.94%	96.52%	100.00%	100.00%
7	ASM	Vodafone	1.06	100.00%	NA	NA	NA	NA	0.32	NA	0.00	NA	NA	NA	NA	96.33%	100.00%	NA	NA
8		BSNL	3.00	97.00%	100.00%	97	100%	159	3.00	0.00	0.04%	0.00	100.00%	100.00%	100.00%	98.81%	97.00%	100.00%	100.00%
9	BH	Reliance	0.23	NA	NA	NA	NA	0	0.00	0.00	0.00%	NA	NA	NA	NA	97.00%	96.00%	100.00%	100.00%
10		TTSL	1.00	100.00%	100.00%	NA	NA	NA	4	0.00%	0.00%	NA	0.00%	50.00%	100.00%	98.00%	98.00%	NA	NA
11		Vodafone	0.52	100.00%	NA	NA	NA	NA	1.00	NA	0.00	NA	NA	NA	NA	96.33%	100.00%	100.00%	NA
12		BSNL	3.00	96.00%	100.00%	94	100%	0	4.00	2.00	0.00%	0.00	100.00%	100.00%	100.00%	99.42%	95.33%	100.00%	100.00%
13	Chattisgarh	BSNL	3.00	98.00%	100.00%	98	100%	715	5.00	0.00	0.01%	0.01	99.00%	100.00%	100.00%	97.46%	87.67%	100.00%	100.00%
14	CN	Reliance	0.31	100.00%	100.00%	NA	NA	0.00	4.60	0.00	0.00%	NA	100.00%	100.00%	NA	97.00%	96.00%	100.00%	100.00%
15		Vodafone	0.30	100.00%	NA	NA	NA	NA	3.03	0.00%	0.00	NA	NA	NA	NA	96.33%	100.00%	100.00%	NA
16		BSNL	4.00	94.00%	100.00%	94	100%	846	7.00	0.00	0.00%	0	100.00%	100.00%	100.00%	98.85%	98.78%	100.00%	100.00%
17	DEL	Reliance	0.11	100.00%	100.00%	NA	NA	0	4.50	0.00	0.01%	NA	100.00%	100.00%	100.00%	97.00%	96.00%	100.00%	100.00%
18		TTSL	1.00	99.00%	100.00%	NA	NA	NA	4	0.00%	0.00%	NA	67.00%	100.00%	100.00%	99.00%	98.00%	100.00%	100.00%
19		Vodafone	0.16	100.00%	NA	NA	NA	NA	1.56	NA	0.00	NA	NA	NA	NA	96.33%	100.00%	100.00%	NA
20		Bharti	3.33	90.69%	100.00%	NA	NA	0	4.56	0.00	0.01%	NA	100.00%	100.00%	100.00%	100.00%	96.32%	100.00%	100.00%
21		MTNL	7.76	87.60%	97.95%	NA	NA	19020	3.99	0.00	0.02%	0.00%	99.68%	100.00%	100.00%	99.32%	99.75%	100.00%	100.00%
22	GUJ	Reliance	0.23	100.00%	100.00%	NA	NA	0.00	4.50	0.00	0.01%	NA	100.00%	100.00%	100.00%	97.00%	96.00%	100.00%	100.00%
23		TTSL	1.00	99.00%	100.00%	NA	NA	NA	3	0.00%	0.00%	NA	36.00%	55.00%	100.00%	100.00%	99.00%	100.00%	100.00%
24		Vodafone	0.23	100.00%	NA	NA	NA	NA	1.14	NA	0.00	NA	NA	NA	NA	96.33%	100.00%	NA	NA
25		Bharti	1.18	96.84%	100.00%	NA	NA	0	3.82	0.00	0.01%	NA	100.00%	100.00%	100.00%	99.81%	93.53%	100.00%	100.00%
26		BSNL	4.00	96.00%	100.00%	94	100%	471	4.00	0.00	0.02%	0	100.00%	100.00%	100.00%	97.43%	77.00%	100.00%	100.00%

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27	HP	Reliance	0.00	NA	NA	NA	NA	0	0.00	0.00	0.00%	NA	NA	NA	NA	97.00%	96.00%	100.00%	100.00%
28		BSNL	4.00	92.00%	100.00%	95	100%	603	6.00	0.00	0.03%	0.02%	98.43%	100.00%	100.00%	97.55%	94.33%	100.00%	100.00%
29	HR	Vodafone	0.12	100.00%	NA	NA	NA	NA	0.10	NA	0.00	NA	NA	NA	NA	96.33%	100.00%	100.00%	NA
30		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%
31		TTSL	0.00	100.00%	100.00%	NA	NA	NA	3	0.00%	0.00%	NA	NA	NA	NA	98.00%	97.00%	NA	NA
32		Bharti	4.88	95.42%	100.00%	NA	NA	0	4.40	0.00	0.02%	NA	100.00%	100.00%	100.00%	100.00%	97.97%	100.00%	100.00%
33		BSNL	5.00	96.00%	100.00%	96	100%	544	6.00	0.00	0.08%	0	100.00%	100.00%	100.00%	97.41%	83.67%	100.00%	100.00%
34	J&K	BSNL	4.00	95.00%	100.00%	92	100%	93	7.00	0.00	0.01%	0	98.00%	100.00%	100.00%	97.25%	93.33%	100.00%	100.00%
35	JHAR	BSNL	2.00	95.00%	100.00%	96	100%	313	6.00	0.00	0.10%	0	98.00%	100.00%	100.00%	98.02%	96.67%	100.00%	100.00%
36	KER	Vodafone	0.17	100.00%	NA	NA	NA	NA	2.20	NA	0.00	NA	NA	NA	NA	96.33%	100.00%	NA	NA
37		Reliance	0.50	100.00%	100.00%	NA	NA	0	4.3	0.00	0.03%	NA	100.00%	100.00%	100.00%	97.00%	96.00%	100.00%	100.00%
38		TTSL	0.00	93.00%	100.00%	NA	NA	NA	3	0.00%	0.00%	NA	0.00%	0.00%	100.00%	100.00%	100.00%	NA	NA
39		Bharti	1.81	95.53%	100.00%	NA	NA	0	3.63	0.00	0.02%	NA	100.00%	100.00%	100.00%	99.99%	94.97%	100.00%	100.00%
40		BSNL	4.00	91.00%	100.00%	93	100%	869	7.00	1.00	0.02%	0	100.00%	100.00%	100.00%	93.94%	93.04%	100.00%	100.00%
41	KOL	Vodafone	0.20	100.00%	NA	NA	NA	NA	2.24	NA	0.00	NA	NA	NA	NA	96.33%	100.00%	NA	NA
42		Reliance	0.12	100.00%	100.00%	NA	NA	0	4.4	0.00	0.01%	NA	100.00%	100.00%	100.00%	97.00%	96.00%	100.00%	100.00%
43		TTSL	1.00	100.00%	100.00%	NA	NA	NA	5	0.00%	0.00%	NA	0.00%	0.00%	100.00%	97.00%	95.00%	100.00%	NA
44		Bharti	2.68	90.60%	100.00%	NA	NA	0	7.68	0.00	0.00%	NA	100.00%	100.00%	100.00%	99.98%	97.03%	100.00%	100.00%
45		BSNL	6.00	90.00%	100.00%	NA	NA	955	8.00	0.00	0.00%	0	98.46%	100.00%	100.00%	99.62%	90.00%	100.00%	100.00%
46	KTK	Vodafone	0.31	100.00%	NA	NA	NA	NA	1.42	NA	0.00	NA	NA	NA	NA	96.33%	100.00%	NA	NA
47		Reliance	0.03	100.00%	100.00%	NA	NA	0	4.3	0.00	0.01%	NA	100.00%	100.00%	NA	97.00%	96.00%	100.00%	100.00%
48		TTSL	0.00	91.00%	100.00%	NA	NA	1	7	0.00%	0.00%	NA	89.00%	97.00%	100.00%	99.00%	98.00%	100.00%	100.00%
49		Bharti	2.11	88.28%	100.00%	NA	NA	0	4.97	0.00	0.01%	NA	100.00%	100.00%	100.00%	78.36%	97.37%	100.00%	100.00%
50		BSNL	4.00	98.00%	100.00%	97	100%	2534	7.00	0.00	0.05%	0	100.00%	100.00%	100.00%	97.94%	97.83%	100.00%	100.00%
51	MH	Bharti	0.97	96.24%	100.00%	NA	NA	0	4.07	0.00	0.01%	NA	100.00%	100.00%	100.00%	100.00%	93.65%	100.00%	100.00%
52		BSNL	4.00	92.00%	100.00%	86	100%	735	6.00	0.00	0.10%	0.00%	100.00%	100.00%	100.00%	96.42%	77.00%	100.00%	100.00%
53		Reliance	0.10	100.00%	100.00%	NA	NA	0	4.7	0.00	0.03%	NA	100.00%	100.00%	100.00%	97.00%	96.00%	100.00%	100.00%
54		Vodafone	0.11	100.00%	NA	NA	NA	NA	1.01	NA	0.00	NA	NA	NA	NA	96.33%	100.00%	NA	NA
55		TTSL	1.00	97.00%	100.00%	NA	NA	1	4	0.00%	0.00%	NA	76.00%	76.00%	100.00%	98.00%	95.00%	100.00%	NA
56	MP	Vodafone	0.33	100.00%	NA	NA	NA	NA	0.35	NA	0.00	NA	NA	NA	NA	96.33%	100.00%	NA	NA
57		Reliance	0.25	100.00%	100.00%	NA	NA	0	4.4	0.00	0.01%	NA	100.00%	100.00%	100.00%	97.00%	96.00%	100.00%	100.00%
58		TTSL	2.00	99.00%	100.00%	NA	NA	NA	3	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	99.00%	98.00%	NA	NA
59		Bharti	5.14	94.75%	100.00%	NA	NA	0	3.64	0.00	0.01%	NA	100.00%	100.00%	100.00%	99.99%	98.42%	100.00%	100.00%
60		BSNL	4.00	92.00%	100.00%	87	100%	137	3.00	0.00	0.02%	0.00%	98.00%	100.00%	100.00%	97.33%	82.00%	100.00%	100.00%
61	MUM	Vodafone	0.15	100.00%	NA	NA	NA	NA	2.56	NA	0.00	NA	NA	NA	NA	96.33%	100.00%	100.00%	NA
62		Bharti	0.43	96.97%	100.00%	NA	NA	0	4.04	0.00	0.00%	NA	100.00%	100.00%	100.00%	99.79%	93.17%	100.00%	100.00%
63		MTNL	3.58	95.80%	99.93%	NA	NA	16930	5.78	0.00	0.03%	NA	99.40%	100.00%	NA	97.21%	98.91%	99.80%	100.00%
64		Reliance	0.05	100.00%	100.00%	NA	NA	0	4.7	0.00	0.01%	NA	100.00%	100.00%	100.00%	97.00%	96.00%	100.00%	100.00%
65		TTSL	2.00	94.00%	100.00%	NA	NA	1	6	0.00%	0.00%	NA	40.00%	47.00%	100.00%	97.00%	95.00%	100.00%	100.00%
66	NE	Vodafone	0.00	NA	NA	NA	NA	NA	0.00	NA	0.00	NA	NA	NA	NA	96.33%	100.00%	100.00%	NA
67	NE-I	BSNL	4.00	92.00%	100.00%	93	100%	60	7.00	0.00	0.04%	0.00	98.00%	100.00%	100.00%	97.91%	92.67%	100.00%	100.00%
68	NE-II	BSNL	3.00	97.00%	100.00%	100	100%	52	6.00	0.00	0.01%	0.00	100.00%	100.00%	100.00%	99.15%	97.00%	100.00%	100.00%

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69	OR	Reliance	0.00	NA	NA	NA	NA	0	0	0.00	0.00%	NA	NA	NA	NA	97.00%	96.00%	100.00%	100.00%
70		TTSL	1.00	100.00%	100.00%	NA	NA	NA	3	0.00%	0.00%	NA	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	NA
71		BSNL	5.00	92.00%	100.00%	91	100%	516	6.00	0.00	0.06%	0.00%	98.00%	100.00%	100.00%	98.86%	94.33%	100.00%	100.00%
72		Vodafone	1.15	100.00%	NA	NA	NA	NA	1.12	NA	0.00	NA	NA	NA	NA	96.33%	100.00%	NA	NA
73	PB	Vodafone	0.22	100.00%	NA	NA	NA	NA	9.28	NA	0.00	NA	NA	NA	NA	96.33%	100.00%	NA	NA
74		Reliance	0.09	100.00%	100.00%	NA	NA	0	4.2	0.00	0.03%	NA	100.00%	100.00%	100.00%	97.00%	96.00%	100.00%	100.00%
75		TTSL	1.00	97.00%	100.00%	NA	NA	1	4	0.00%	0.00%	NA	50.00%	50.00%	100.00%	99.00%	99.00%	100.00%	NA
76		Bharti	3.22	93.41%	100.00%	NA	NA	0	5.39	0.00	0.01%	NA	100.00%	100.00%	100.00%	100.00%	98.02%	100.00%	100.00%
77		Quadrant	3.22	93.00%	100.00%	100.00%	100.00%	0	6.16	0.00	0.00%	0.00%	100.00%	100.00%	100.00%	96.00%	95.00%	100.00%	100.00%
78		BSNL	5.00	95.00%	100.00%	93	100%	534	6.00	0.00	0.07%	0.10%	98.00%	100.00%	100.00%	97.06%	84.33%	100.00%	100.00%
79	RAJ	Reliance	0.02	100.00%	100.00%	NA	NA	0	4.8	0.00	0.01%	NA	100.00%	100.00%	100.00%	97.00%	96.00%	100.00%	100.00%
80		TTSL	NA	NA	NA	NA	NA	NA	NA	0.00%	0.00%	NA	NA	NA	NA	100.00%	98.00%	NA	NA
81		Vodafone	0.23	100.00%	NA	NA	NA	NA	3.40	NA	0.00	NA	NA	NA	NA	96.33%	100.00%	NA	NA
82		Bharti	2.52	96.74%	100.00%	NA	NA	0	4.98	0.00	0.00%	NA	100.00%	100.00%	100.00%	99.94%	98.25%	100.00%	100.00%
83		Sistema	1.12	95.69%	100.00%	98.22%	100.00%	0	7.43	0.00	0.02%	NA	100.00%	100.00%	100.00%	96.23%	99.50%	100.00%	100.00%
84		BSNL	5.00	96.00%	100.00%	95	100%	202	6.00	0.00	0.00%	0.00	100.00%	100.00%	100.00%	97.70%	85.67%	100.00%	100.00%
85	TN	Reliance	0.11	100.00%	100.00%	NA	NA	0	4.9	0.00	0.00%	NA	NA	NA	NA	97.00%	96.00%	100.00%	100.00%
86		TTSL	0.00	95.00%	100.00%	NA	NA	NA	7	0.00%	0.00%	NA	0.00%	0.00%	100.00%	99.00%	98.00%	NA	NA
87		Vodafone	0.80	100.00%	NA	NA	NA	NA	2.14	NA	0.00	NA	NA	NA	NA	96.33%	100.00%	NA	NA
88		Bharti	3.58	93.12%	100.00%	NA	NA	0	4.15	0.00	0.05%	NA	100.00%	100.00%	100.00%	96.95%	94.45%	100.00%	100.00%
89		BSNL	3.00	96.00%	100.00%	93	100%	1461	7.00	0.00	0.06%	0.00	100.00%	100.00%	100.00%	98.27%	98.12%	100.00%	100.00%
90	UPE	Reliance	0.03	100.00%	100.00%	NA	NA	0	4.3	0.00	0.00%	NA	100.00%	100.00%	100.00%	97.00%	96.00%	100.00%	100.00%
91		TTSL	1.00	100.00%	100.00%	NA	NA	NA	4	0.00%	0.00%	NA	NA	NA	NA	NA	NA	NA	NA
92		Vodafone	0.30	100.00%	NA	NA	NA	NA	2.04	NA	0.00	NA	NA	NA	NA	96.33%	100.00%	NA	NA
93		Bharti	4.94	89.71%	100.00%	NA	NA	0	4.58	0.00	0.02%	NA	100.00%	100.00%	100.00%	100.00%	97.77%	100.00%	100.00%
94		BSNL	4.00	94.00%	100.00%	91	100%	680	6.00	0.00	0.06%	0.00	100.00%	100.00%	100.00%	97.21%	92.67%	100.00%	100.00%
95	UPW	Reliance	0.00	NA	NA	NA	NA	0	0	0.00	0.00%	NA	NA	NA	NA	97.00%	96.00%	100.00%	100.00%
96		TTSL	NA	NA	NA	NA	NA	NA	NA	0.00%	0.00%	NA	NA	NA	NA	100.00%	100.00%	NA	NA
97		Vodafone	0.66	100.00	NA	NA	NA	NA	8.56	NA	0.00	NA	NA	NA	NA	96.33%	100.00%	NA	NA
98		Bharti	5.17	94.16%	100.00%	NA	NA	0	3.54	0.00	0.00%	NA	100.00%	100.00%	100.00%	100.00%	97.73%	100.00%	100.00%
99		BSNL	5.00	97.00%	100.00%	95	100%	603	5.00	0.00	0.08%	0.00	100.00%	100.00%	100.00%	96.21%	92.67%	100.00%	100.00%
100	Uttaranchal	BSNL	5.00	98.00%	100.00%	95	100%	2926	5.00	0.00	0.00%	0	98.00%	100.00%	100.00%	98.02%	93.67%	100.00%	100.00%
101	West Bengal	Reliance	0.00	NA	NA	NA	NA	0	0	0.00	0.00%	NA	NA	NA	NA	97.00%	96.00%	100.00%	100.00%
102		BSNL	4.00	92.00%	100.00%	93	100%	502	6.00	0.00	0.06%	0	100.00%	100.00%	100.00%	98.41%	91.00%	100.00%	100.00%
103		Vodafone	0.37	100.00%	NA	NA	NA	NA	0.10	NA	0.00	NA	NA	NA	NA	96.33%	100.00%	NA	NA

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 March, 2015

Sl. No.	Service Provider	Service area	Service Provisioning	Faults Repair		Billing Performance				Response Time to the Customer for assistance		Bandwidth utilisation/throughput				Service availability /uptime (for all users) in %age	Packet Loss	Network latency (for wired broadband access)		
			%age of connections provided within 15 days of registration of demand	% of faults repaired by next working day (>90%)	% of faults repaired within 3 working day	Rent Rebate	%age of bills disputed	%age of billing complaints resolved within 4 weeks	%age of cases to whom refund of deposits is made within 60 days of closures	%age of calls answered by operator (Voice to voice) within 60 sec	%age of calls answered by operator (Voice to voice) within 90 sec	No. of intra network links having Bandwidth utilisation >90% during peak hours (TCBH)	No. of upstream links for International connectivity having bandwidth utilisation >90% during peak hours (TCBH)	% International bandwidth utilization during peak hours (TCBH) (Enclose MRTG) <90%	Broadband Connection Speed available (download) from ISP node to user		Packet loss (for wired broadband access) in %age	User reference point at POP/ISP Gateway node to International gateway (IGSP/NIXI)	User reference point at ISP Gateway node to International nearest NAP port abroad (terrestrial)	User reference point at International Gateway node to International nearest NAP port abroad (satellite)
			100%	>90%	=>99%	in nos.	<2%	100%	100% within 60 days	>60%	>80%	0	0	<90%	>80%		>98%	<1%	<120 ms	<350 ms
1	BSNL	All India	100.00%	93.79%	99.63%	3281	0.06%	100.00%	100.00%	82.53%	86.47%	0	0	78.10%	90.50%	99.71%	0.96%	28	215	0
2	Bharti Airtel	Andhra Pradesh	100.00%	97.78%	99.92%	2	0.01%	100.00%	100.00%	94.00%	96.00%	0	0	50.75%	100.00%	99.99%	0.03%	35	48	NA
		Delhi	100.00%	93.41%	99.24%	347	0.01%	100.00%	100.00%	91.00%	94.00%	0	0	83.42%	100.00%	99.99%	0.00%	31	82	NA
		Gujarat	100.00%	95.26%	99.51%	17	0.01%	100.00%	100.00%	87.00%	91.00%	0	NA	NA	100.00%	99.99%	0.00%	31	62	NA
		Haryana	100.00%	93.99%	99.21%	181	0.02%	100.00%	100.00%	95.00%	97.00%	0	NA	NA	100.00%	99.99%	0.00%	34	55	NA
		Karnataka	100.00%	91.67%	100.00%	174	0.01%	100.00%	100.00%	89.00%	91.00%	0	0	77.69%	101.75%	100.00%	0.00%	26	37	NA
		Kerala	100.00%	94.41%	99.65%	38	0.02%	100.00%	100.00%	90.00%	92.00%	0	NA	NA	100.00%	99.99%	0.00%	40	32	NA
		Kolkata	100.00%	93.42%	99.46%	164	0.01%	100.00%	100.00%	92.00%	95.00%	0	0	66.36%	100.00%	99.99%	0.00%	24	71	NA
		Madhya Pradesh	100.00%	92.17%	99.59%	64	0.01%	100.00%	100.00%	94.00%	96.00%	0	0	74.29%	100.00%	99.98%	0.00%	65	66	NA
		Maharashtra	100.00%	96.26%	99.66%	22	0.01%	100.00%	100.00%	87.00%	90.00%	0	NA	NA	100.00%	99.92%	0.01%	39	62	NA
		Mumbai	100.00%	97.73%	99.73%	15	0.01%	100.00%	100.00%	87.00%	90.00%	0	0	72.84%	99.75%	99.99%	0.01%	29	62	NA
		Punjab	100.00%	93.38%	99.24%	20	0.01%	100.00%	100.00%	94.00%	96.00%	0	0	0.69%	100.00%	99.98%	0.00%	33	85	NA
		Rajasthan	100.00%	96.92%	99.95%	7	0.00%	100.00%	100.00%	94.00%	96.00%	0	NA	NA	100.00%	100.00%	0.00%	34	56	NA
		Tamilnadu	100.00%	93.99%	99.95%	770	0.02%	100.00%	100.00%	90.00%	93.00%	0	0	66.69%	100.00%	99.99%	0.00%	22	32	NA
Uttar Pradesh - East	100.00%	91.21%	99.24%	162	0.01%	100.00%	100.00%	93.00%	95.00%	0	0	0.80%	100.00%	100.00%	0.00%	30	95	NA		
Uttar Pradesh - West	100.00%	94.75%	99.55%	166	0.00%	100.00%	100.00%	93.00%	95.00%	0	NA	NA	100.00%	99.99%	0.00%	35	55	NA		
3	MTNL	Delhi & Mumbai	99.94%	89.71%	96.76%	19325	0.001%	100.00%	100.00%	90.80%	84.78%	0	0	86.40%	89.00%	99.81%	0.54%	42	290	NA
4	Alliance Broadband	Kolkata	100.00%	90.00%	99.00%	0	1.00%	100.00%	Nil	77.00%	91.00%	0	0	62.54%	96.10%	98.00%	0.68%	111	320	771
5	Asianet Satellite	Kerala	100.00%	90.94%	99.42%	0	1.60%	100.00%	100.00%	60.23%	80.50%	0	0	62.10%	90.00%	99.70%	1.00%	50	270	NA
6	Atria Convergence	All India	98.00%	93.00%	99.00%	7373	0.43%	100.00%	Nil	81.00%	85.00%	0	0	81.04%	90.00%	98.00%	1.00%	50	300	NA
7	Broadband Pacenet India Pvt. Ltd.	All India	100.00%	90.20%	99.20%	223	1.00%	100.00%	Nil	84.00%	92.00%	0	0	79.29%	80.80%	99.18%	0.40%	81	290	0
8	Citycom Networks	All India	100.00%	94.00%	97.00%	1394	0.70%	100.00%	100.00%	77.00%	82.00%	0	0	67.00%	91.67%	98.70%	1.00%	8	157	NA
9	DEN Networks Ltd.	All India	100.00%	97.11%	99.43%	840	0.00%	Nil	Nil	90.00%	92.00%	0	0	57.00%	95.00%	100.00%	0.00%	30	260	NA
10	Digital Network	Maharashtra & Goa	100.00%	90.88%	99.67%	0	0.34%	100.00%	Nil	62.82%	83.16%	0	0	80.00%	80.00%	99.86%	1.00%	4	255	600
11	D-VoiS Broadband	All India	100.00%	96.85%	99.77%	0	1.13%	100.00%	NA	98.47%	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 (GTPL)	Gujarat	100.00%	94.00%	99.00%	415	0.12%	100.00%	NA	96.00%	98.00%	NA	0	87.58%	90.00%	99.00%	0.00%	11	300	NA
14	Hathway Cable & Datacom Ltd.	Andhra Pradesh	100.00%	96.00%	100.00%	36	1.51%	100.00%	100.00%	67.00%	81.00%	0	0	79.00%	90.00%	99.00%	1.00%	75	320	NA
		Delhi	100.00%	97.00%	99.00%	76	1.78%	100.00%	100.00%	70.00%	90.00%	0	0	75.00%	85.00%	99.00%	1.00%	85	310	NA
		Gujarat	100.00%	90.00%	99.00%	0	0.00%	NA	NA	79.00%	99.00%	0	0	78.00%	90.00%	99.00%	1.00%	80	270	NA
		Karnataka	100.00%	91.00%	99.00%	468	1.93%	100.00%	100.00%	78.00%	84.00%	0	0	77.00%	90.00%	99.07%	1.00%	80	350	NA
		Maharashtra & goa	99.50%	94.00%	99.00%	1481	0.88%	100.00%	100.00%	87.00%	93.00%	0	0	78.00%	90.00%	99.00%	1.00%	50	280	NA
		Punjab	100.00%	96.00%	99.00%	10	1.70%	100.00%	100.00%	99.00%	99.00%	0	0	74.00%	85.00%	100.00%	1.00%	110	310	NA
		Uttar Pradesh	100.00%	92.00%	99.00%	0	1.52%	100.00%	100.00%	DNF	DNF	0	NA	49.00%	85.00%	100.00%	1.00%	85	295	NA
		Chhatisgarh	100.00%	96.00%	99.00%	0	1.60%	100.00%	100.00%	99.00%	99.00%	0	0	80.00%	85.00%	100.00%	1.00%	110	275	NA

Annexure 4.4 (Contd.)

15	Home Systems	Mumbai	100.00%	95.00%	99.00%	0	0.00%	100.00%	NA	68.00%	89.00%	0	0	82.00%	95.00%	99.00%	0.01%	50	295	NA
16	Honesty Net Solutions (I) Pvt. Ltd.	Mumbai	100.00%	94.00%	99.70%	0	0.00%	100.00%	Nil	NA	NA	2633	NA	NA	89.00%	100.00%	0.00%	30	65.97	NA
17	IndusInd Media	All India	100.00%	97.00%	99.00%	25	0.00%	100.00%	100.00%	100.00%	100.00%	0	0	76.07	80.00%	98.00%	1.00%	45	260	NA
18	Meghbela Cable & Broadband Services	Kolkata	100.00%	99.27%	100.00%	0	0.00%	100.00%	100.00%	87.00%	100.00%	0	0	0.00%	100.00%	99.90%	0.00%	60	0	0
		West Bengal	100.00%	100.00%	100.00%	0	0.00%	100.00%	100.00%	90.00%	100.00%	0	0	0.00%	100.00%	99.90%	0.00%	60	0	0
19	Nextra Teleservices Pvt. Ltd.	Delhi	100.00%	94.00%	100.00%	375	1.00%	100.00%	NA	86.00%	90.00%	0	0	87.00%	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%	99.24%	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%	93.06%	99.46%	0	0.00%	100.00%	100.00%	100.00%	100.00%	0	0	76.00%	93.00%	100.00%	0.00%	87	243	0
		Kolkata	100.00%	93.01%	99.42%	0	0.00%	100.00%	100.00%	100.00%	100.00%	0	0	78.00%	92.00%	100.00%	0.00%	91	244	0
		Madhya Pradesh	100.00%	93.32%	99.43%	0	0.00%	100.00%	100.00%	100.00%	100.00%	0	0	79.00%	93.00%	99.85%	0.00%	85	244	0
		Orissa	100.00%	92.97%	99.44%	0	0.00%	100.00%	100.00%	100.00%	100.00%	0	0	76.00%	93.00%	99.75%	0.00%	92	247	0
23	Pioneer Elabs Ltd.	Hyderabad	80.00%	90.00%	99.00%	70	0.37%	100.00%	Nil	65.00%	85.00%	0	0	24.00%	60.00%	99.80%	1.00%	5	1	NA
24	Quadrant	Punjab	100.00%	95.80%	99.69%	0	0.01%	100.00%	100.00%	69.67%	84.67%	0	0	73.00%	100.00%	99.95%	0.00%	80	280	NA
25	Rajesh Multichannel	Mumbai	100.00%	97.00%	100.00%	0	0.00%	100.00%	100.00%	97.00%	91.00%	0	0	87.00%	85.00%	99.00%	0.00%	0	0	0
26	Reliance Com. (RCL)	All India	100.00%	100.00%	100.00%	Nil	0.17%	100.00%	100.00%	90.00%	91.00%	0	0	56.00%	90.00%	100.00%	0.51%	31	100	0
27	RK Infratel	Gujarat	100.00%	90.55%	99.11%	0	0.00%	100.00%	NA	99.98%	100.00%	0	0	88.83%	85.00%	99.57%	0.00%	120	350	NA
28	Siti Cable	All India	100.00%	90.00%	100.00%	201	0.00%	100.00%	100.00%	89.00%	91.00%	0	0	77.00%	95.00%	98.20%	0.40%	56	280	NA
29	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
30	Southern (SOBTL)	Andhra Pradesh	100.00%	99.00%	100.00%	0	0.00%	100.00%	100.00%	95.00%	100.00%	0	0	75.00%	95.00%	99.00%	0.05%	100	300	500
31	Syscon Infoway Pvt. Ltd.	Maharashtra	100.00%	99.00%	100.00%	Nil	0.00%	100.00%	NA	86.00%	88.67%	0	0	84.30%	94.08%	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	87.00%	99.00%	100.00%	0.00%	1	47	80
32	Tata Communications	All India	Nil	93.00%	98.00%	211	0.16%	100.00%	100.00%	88.00%	91.00%	0	0	48.70%	80.00%	99.00%	0.00%	15	253	NA
33	Tata (TTML)	Maharashtra & Goa	100.00%	96.00%	99.00%	NA	0.00%	90.00%	100.00%	96.00%	97.00%	0	0	71.00%	91.00%	99.00%	0.00%	69	200	0
34	Tata (TTSL)	All India (Pan India)	100.00%	97.30%	99.65%	NA	0.90%	87.00%	100.00%	92.00%	94.00%	0	0	70.00%	90.00%	99.70%	0.00%	56	60	0
35	Vasai Cable	Mumbai	100.00%	93.15%	99.34%	0	0.17%	100.00%	Nil	75.48%	87.59%	0	0	63.00%	90.00%	100.00%	1.00%	4	255	NA
36	Wish Net Pvt. Ltd.	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
		Kolkata	100.00%	98.76%	100.00%	0	0.01%	100.00%	NA	81.00%	97.67%	0	0	72.63%	100.00%	99.88%	1.00%	40	NA	NA
37	You Broadband	All India	99.00%	90.00%	99.00%	440	1.00%	99.00%	100.00%	97.00%	98.00%	NA	0	76.44%	87.29%	99.35%	0.00%	8	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) as on 31.03.2015

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 29.05.2014
3.	Aadhar Digital Vision Pvt. Ltd 9/56/2012-BP&L	Aadhar Digital Vision Pvt. Ltd 37/19, Ayalur Muthiah Street, Kondithope, Chennai-600079	in the State of Tamilnadu and UT of Pondicherry	Permanent (for 10 years) registration issued on 21.02.2014
4.	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 Maharashtra, Chattisgarh, Bihar, Madhya Pradesh, Rajasthan, Uttar Pradesh, Gujrat and Odisha	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, Bangalore (KA) 560092	Karnataka (except Mysore), Tamilnadu (except Coimbatore), Andhra Pradesh (except Hyderabad & Vishakhapatnam) 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 Maharashtra (excluding Solapur), Karnataka, Gujrat 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 A.P.	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, Ghaziabad, Kanpur, Lucknow, Meerut, 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, Dondaparthy, 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	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	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, Uttranchal & Rajasthan except Agra, Allahabad, Ghaziabad, Kanpur, Meerut & Varanasi in the State of Uttar Pradesh, Patna in the State of Bihar, Faridabad in the State of Haryana, and Jaipur & Jodhpur in the State of Rajasthan	Permanent (For 10 years) registration issued on 30.05.2014
29.	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 Auranga-bad, 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 govt. of India	Permanent (For 10 Years) registration issued on 28.03.2013
33.	Delhi Distribution Company 9/18/2012 - BP&L	Delhi Distribution Company Office No.2, Ist Floor, Local Shopping Centre, Uday Park, New Delhi-110049	National Capital Territory of Delhi	Permanent (For 10 Years) registration issued on 21.06.2012

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
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 Metro politan Area, Chennai Metro politan 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
40.	Manthan Broadband Services Pvt. Ltd 9/53/2012 - BP&L	Manthan Broadband Services PVT. Ltd 6, Ganesh Chandra, Avenue IIIrd Floor, Kolkata-13	Kolkata Metropolitan Area	Permanent (For 10 Years) Regis tration issued on 29.06.2012

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
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	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 Government	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 Government	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(NCT) Delhi, Kolkata Metropolitan Area, Chennai Metropolitan Area, as well as cities/towns/areas occurring against phase I, II, III & IV.	Permanent (For 10 Years) Registration issued on 23.07.2012
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 08.08.2012
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

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
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) Regist ration 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) Regis tration 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
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

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
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- 33	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, Muhanian & 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
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

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
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 - 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 W.B.	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	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
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

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
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
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

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
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 Pvt Ltd Sec. 8, Pocket-D-12, Plot No 79, 3rd Floor, Gate No. 3, East Metro Station Rohini, New Delhi 110085	Notified Area of Delhi	Permanent (for 10 years) registration issued on 06.01.2013
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, 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, 4th Floor, Race Course Road, Bangalore-01	Notified areas of Nellore District	Permanent (for 10 years) registration issued on 28.03.2014
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, Warangal, 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

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
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 Thiruvarur 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 uzhavoor 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
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 sate of Karnataka, Tamil Nadu, Kerala, Maharashtra, Andhra Pradesh & Telangana Excluding Hyderabad	Permanent (For 10 Years) registration given on 08.07.2014

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
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 Bangalore -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, Behind 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
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

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
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 Tamilnadu	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 – 600028	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 Tamil Nadu	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
117.	Voice & Vision Club 9/1/214 – BP&L	Voice & Vision Club 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

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
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-400076	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 Dignet Vision Pvt. Ltd. 9/20/2014 – BP&L	Royal Services Dignet 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
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

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
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 Arcade23 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. Tamil Nadu.	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
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, Rudraprayag, Chamoli Garhwal, Uttarkashi Districts in the state of Uttarakhand.	Permanent (For 10 Years) registration given on 23.12.2014

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
132.	Jai Mata Di Cable Network 9/6/2/2014 – BP &L	Jai Mata Di Cable Network Ward – 8, Near Vishwakerma Mandir, Kanina, Dist:- Mahendergarh Haryana – 123027	DAS notified areas in Mehendergarh, Rewari, Bhiwani & Jhajjar District of Haryana and Alwar & Jhunjhnu Districts 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
139	The Orugallu Communications 9/70/2014 – BP&L	The Orugallu Communications 2 - 1 – 496, Sammaiah Nagar, Gopalpur Raod, Hanamkonda, Warangal, Telengana - 506009	DAS notified areas under Phase II, III and IV in the state of the Andhra Pradesh and Telangana	Registration for 10 years issued on 05.01. 2015
140	Mohit Sai Cable Network 9/68/2014 – BP&L	Mohit Sai Cable Network Panukuvalasa Village, D.No 2-233, Balajipeta Mandalam, Vizayanagaram District – 532557 A.P.	Vishakapatnam, Vizayanagaram & Srikakulam District in 3rd and 4th phase in the State of A.P.	Registration for 10 years issued on 20.01. 2015

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
141	DDC CATV Network Pvt. Ltd. 9/37/2014 – BP&L	DDC CATV Network Pvt. Ltd., No. 2, First Floor, Local Shopping Centre Uday Park, New Delhi – 110049	PAN India in all Phases	Registration for 10 years issued on 20.01. 2015
142	Chelikam Networks (India) Pvt. Ltd. 9/67/2014 – BP&L	Chelikam Networks (India) Pvt. Ltd. No. 16 II Floor, Municipal Shopping Complex, Prakasham Road, Tirupati – 517501.	Under Phase III & Phase IV of Chittur, Kadapa, Ananthpur and Nellore Districts of Andhra Pradesh	Registration for 10 years issued on 20.01. 2015
143	S.S Cable Network 9/19/2014 – BP&L	S.S Cable Network B/3/3 Malanjkhanda, Balaghat, Madhya Pradesh – 481116	Madhya Pradesh, Chhattisgarh, Maharashtra, Odisha & Jharkhand under Phase – I, II, III & IV	Registration for 10 years issued on 20.01. 2015
144	Utkal Cable Vision 9/48/2014 – BP&L	Utkal Cable Vision VPO Singhpur Binjhapur, Jajpur, Orissa – 755016.	In 3rd & 4th Phase of PAN India	Registration for 10 years issued on 23.01. 2015
145	Suraj Cable Network 9/66/2014 – BP&L	Suraj Cable Network Main Bazar, P.O At. Zanjmer. Ta. Dhoraji, Dist. Rajkot, Gujarat – 360440	Phase – II, III & IV In Gujarat State	Registration for 10 years issued on 23.01. 2015
146	Kaizen Digital Cable Services Pvt. Ltd. 9/135/2012 – BP&L	Kaizen Digital Cable Services Pvt. Ltd. No. 169/10, 'Guru Krupa' 12th Cross, Mahalakshmi Layout, Bangalore– 560086	Karnataka in Phase – II, III and IV except Mysore city	Registration for 10 years issued on 05.02. 2015
147	Vishwam Cable Network 9/56/2014 – BP&L	Vishwam Cable Network F - Kuber Plus, Nr. Hotel Kuber, Porbandar, Gujrat – 360575	Phase II, III and IV in the State of Gujrat	Registration for 10 years issued on 24.02. 2015
148	Satlinks 9/56/2014 – BP &L	Satlinks Ms. P.K Asha Rani Proprietor of Satlinks; Samthrupthy, Vatanam kurussi (PO), Palakkad (District), Kerala – 679 124	In the State of Kerala	Registration for 10 years issued on 27.02. 2015
149	Netset Media Services Private Limited 9/74/2014 – BP&L	Netset Media Services Private Limited 14 – Center Point, Indira Road Jamnagar, Gujarat – 361008	In the State of Gujarat	Registration for 10 years issued on 05.03. 2015

Annexure 5.1 (contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
150	Cosco Communication Limited 9/83/2014 – BP&L	Cosco Communication Limited 56/6. Basudebpur Road, Shyamnagar – 743127	State of West Bengal, Bihar, Jharkhand, Orissa, Sikkim, Assam, Arunachal Pradesh, Meghalaya, Nagaland, Manipur, Mizoram and Tripura under Phase – I, II, III & IV	Registration for 10 years issued on 05.03. 2015
151	Siti Maurya Cable Net Pvt. Ltd 9/109/2013 – BP&L	Siti Maurya Cable Network Pvt. Ltd J – 1/15, 4th Floor, Block EP, Sector – V, Salt Lake Electronics Complex, Kolkata – 700091	Areas in all Districts in the state of Bihar except Madhepura and Arawal	Registration for 10 years issued on 19.03. 2015
152	Sikkim Digital Network 9/96/2014 – BP&L	Sikkim Digital Network Sonal Palden Building, Tibet Road, Gangtok Sikkim – 737101.	Gangtok city and kabi, Phodong, Mangan, Chunthang, Lachen, Lachung, Ranka, Ranipool, 32 Mile, Singtam, Central Pandam, Namthang, Majitar, Rangpo, Duku, Pakyong, Rorathang, Rhenock, Rongli Aritar, Dalapchand, Legship, Geyzing, pelling, Tasiding, Yuk-som, Soreng, Dentak, Reshi, Sombaria, Daramdin, Melli, Bermoik, Temi, Tarku, Namchi, Jorethang and Romang in Sikkim State	Registration for 10 years issued on 25.03. 2015
153	International Cable Network 9/49/2014 – BP&L	International Cable Network, Mahathin Road, Judge Bazar, Bhiyia, Bhojpur – 802152	Bhojpur, Buxar & Rohtash	Registration for 10 years issued on 25.03. 2015
154	SaiStar Digital Media Private Limited, 9/74/2014 – BP&L	SaiStar Digital Media Private Limited 15 Baroda Peoples Society, Near Sarabhai Char Rasta, Behaind Alkapuri, Vadodara – 07	Ahmedabad, Rajkot, Surat, and Vadodara under Phase II, all other areas under Phase III and Phase IV	Registration for 10 years issued on 25.03. 2015
155	Maharaja Entertainment 9/63/2014 – BP&L	Maharaja Entertainment 39-40, Shivraj Niketan, Vaishali Nagar, Jaipur – 302021 Rajasthan	PAN Inida under Phase I, II, III & IV	Registration for 10 years issued on 23.03. 2015

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 Jalwa
		2	9X Jhakaas
		3	9XM
		4	9XO
2	M/s AETN 18 Media Pvt Limited	5	The History Channel
3	M/s Asianet Communications Limited	6	Asianet
		7	Asianet Plus
		8	Suvarna
		9	Asianet Movies
		10	Suvarna Plus
4	M/s Azalia Broadcast Private Limited	11	Big Thrill (Earlier name Big RTL Thrill")
5	M/s B4U Television Network India Ltd	12	B4U Movies
6	M/s Bangla Entertainment Private Ltd	13	AATH
7	M/s BBC Global News India Private Ltd	14	BBC World News
8	M/s Bennett, Coleman & Company Limited	15	Zoom
		16	Romedy Now
		17	Movies Now + (Earlier name " Romedy Now +")
9	M/s Business Broadcast News Pvt Ltd	18	zee
10	M/s Celebrities Management Pvt Limited	19	Travel XP HD (Earlier name "Travel XP")
11	M/s Dakshin Media Gaming Solutions Pvt Ltd	20	Ten Cricket (earlier name "Play TV")
12	M/s Discovery Communications India	21	Animal Planet
		22	Discovery Channel
		23	Discovery Channel – Tamil
		24	Discovery Kids Channel
		25	Discovery Science
		26	Discovery Turbo
		27	ID Investigation Discovery
		28	Discovery HD World (earlier name "Discovery HD")
		29	Animal Planet HD World (earlier name "Discovery Home and Health")
		30	TLC HD world (earlier name "Military Channel")
		31	TLC

Annexure 5.2 (contd.)

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

Annexure 5.2 (contd.)

Sl. No.	Name of the broadcaster	Sl.No	Name of the channel
24	M/s NDTV Life style Limited	71	NDTV Good Times
25	M/s Neo Sports Broadcast Pvt Limited	72	NEO Prime (Earlier name "Neo Cricket")
		73	Neo Sports
26	M/s New Delhi Television Limited	74	NDTV 24*7
		75	NDTV India
		76	NDTV Profit
27	M/s NGC Network (India) Pvt Limited	77	Fox Life (earlier name "Fox Traveller")
		78	National Geographic Channel (NGC)
		79	Fox Life HD (Earlier name "Fox Traveller HD")
28	M/s Odisha Television Limited	80	Prarthana
		81	Tarang
		82	Tarang Music
		83	Alankar
29	M/s Panorama Television Private Limited	84	ETV Bihar Jharkhand
		85	ETV MP Chattisgarh
		86	ETV Rajasthan
		87	ETV Uttar Pradesh Uttarachal
		88	ETV Urdu
		89	ETV News Kannada
		90	ETV News Bangla
		91	ETV Haryana / Himanchal Pradesh
		92	ETV News Gujarati
30	M/s Paul Entertainments Pvt Limited	93	9X Tashan (Earlier name "Purvaiya")
31	M/s Prism Television Private Limited	94	ETV Bangla
		95	ETV Gujarati
		96	ETV Kannada
		97	ETV Marathi
		98	ETV Oriya
32	M/s Raj Television Network Limited	99	Raj Musix Kannada
		100	Raj Digital Plus
		101	Raj Musix
		102	Raj News
		103	Raj TV
		104	Vissa TV
33	M/s Reliance BIG Broadcasting Pvt Limited	105	BIG MAGIC
		106	Big Magic Ganga (Earliar name "Big Magic Bihar")
34	M/s Sahara India Commercial Corporation Ltd	107	Sahara Filmy
		108	Sahara One

Annexure 5.2 (contd.)

Sl. No.	Name of the broadcaster	Sl.No	Name of the channel
35	M/s Sarthak Entertainment Pvt Ltd	109	Sarthak TV
36	M/s Silverstar Communications Limited	110	Mega 24
		111	Mega Musiq
		112	Mega TV
37	M/s Star India Private Limited	113	Channel (V)
		114	Star Sports 4 (Earlier name of "ESPN")
		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	Fox Crime
		128	Star World
		129	Jalsha Movies (Earlier name "Star Bengali")
		130	Star Sports HD 2 (Earlier name of "ESPN HD")
		131	Star Sports HD 1 (Earlier name of "Star Cricket HD")
		132	Life Ok HD
		133	Star Gold HD
		134	Star Movies HD
		135	Star Plus HD
		136	Star Sports HD 3
		137	Star Sports HD 4
		138	Star World Prmiere HD
		139	Star World HD
		38	M/s SUN TV Network Limited
141	Chintu TV		
142	Chutti TV		
143	Gemini Comedy		
144	Gemini Life		
145	Gemini Movies		
146	Gemini Music		
147	Gemini News		
148	Gemini TV		

Annexure 5.2 (contd.)

Sl. No.	Name of the broadcaster	Sl.No	Name of the channel
		149	K TV
		150	Kiran TV
		151	Kushi TV
		152	SUN Life
		153	Sun Music
		154	Sun News
		155	Surya Music (Earlier name "Sun News English")
		156	SUN TV
		157	SUN TV RI
		158	Surya TV
		159	Udaya Comedy
		160	Udaya Movies
		161	Udaya Music
		162	Udaya News
		163	Udaya TV
		164	Kochu TV
		165	Sun TV HD
		166	KTV HD
		167	Sun Music HD
		168	Gemini TV HD
		169	Sun Action
		170	Gemini Action
171	Surya Action		
172	Suriyan Tv		
39	M/s Taj Television India Private Limited	173	Ten Action
		174	Ten Sports
		175	Ten Golf
		176	Ten HD
40	M/s Times Global Broadcasting Company Ltd	177	ET NOW
		178	Times Now
41	M/s Turmeric Vision Private Limited	179	Food Food TV
42	M/s Turner International India Pvt Ltd	180	Cartoon Network
		181	CNN International
		182	HBO
		183	POGO
		184	Toonami (Earlier name "Boomerang")
		185	WB
		186	HBO Hits HD
		187	HBO Defined HD
43	M/s TV 18 Broadcast Limited	188	CNN-IBN
		189	IBN 7
		190	CNBC Bazaar

Annexure 5.2 (contd.)

Sl. No.	Name of the broadcaster	Sl.No	Name of the channel
		191	CNBC TV 18 Prime HD
		192	CNBC Awaaz
		193	CNBC TV 18
44	M/s TV Today Network Limited	194	Aaj Tak
		195	Delhi Aaj Tak
		196	Headlines Today
		197	Aaj Tak Tez
45	M/s United Home Entertainment Pvt Ltd	198	Hungama TV
46	M/s UTV Entertainment Television Limited	199	Disney Junior (Earlier name "UTV Comedy")
		200	UTV Movies
		201	UTV World Movies
		202	Bindass Play (Earlier name "UTV Stars")
47	M/s Viacom 18 Media Private Limited	203	Colors
		204	Comedy Central
		205	MTV
		206	NICK
		207	Nick Jr / Teen Nick
		208	SONIC
		209	VH 1
		210	Colors HD
		211	MTV Indies
48	M/s Vijay Television Pvt Limited	212	Vijay TV
49	M/s Zee Akaash News Private Limited	213	24 Ghanta
50	M/s Zee Entertainment Enterprises Limited	214	Zee ETC Bollywood (Earlier name "Zee Bollywood")
		215	9X
		216	Action Cinema
		217	Zee Bangla Cinema
		218	Zee Café
		219	Zee Cinema
		220	Premiere Cinema
		221	Classic Cinema
		222	Zee Salaam
		223	Zee Smile
		224	Zee Studio
		225	Zee Talkies
		226	Zee TV
		227	Zing
228	Zindagi		
229	& Picture		
230	Zee Q		
231	Zee Khana Khazana		

Annexure 5.2 (contd.)

Sl. No.	Name of the broadcaster	Sl.No	Name of the channel
		232	Zee TV HD
		233	Zee Cinema HD
		234	Zee Studio HD
		235	Zee Bangla
		236	Zee Marathi
		237	& TV
		238	& TV HD
		239	& Pictures HD
51	M/s Zee Media Corporation Limited	240	Zee 24 Taas
		241	Zee Kalinga (Earlier name "Zee 24 Ghantalu)
		242	Zee Business
		243	Zee Kannada
		244	Zee News
		245	Zee Punjab Haryana Himachal (Earlier name "Zee Punjabi")
		246	Zee Telugu
		247	Zee Madhya Pradesh Chattisgarh
		248	Zee Marudhara (Earlier name "Zee Rajasthan Plus")
52	M/s Zoom Entertainment Network Limited	249	Movies Now
53	M/s The Walt Disney Company (India) Pvt Limited	250	Disney XD (Earlier name "Toon Disney")
		251	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 OPERATION- LISATION
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 OPERATIONALISATION
101	PUDUCHERRY (UT)	MALAR PUBLICATIONS	HELLO-FM	23.12.2007
102	TIRUCHI	MALAR PUBLICATIONS	HELLO-FM	14.01.2008
103	TIRUNELVELI	MALAR PUBLICATIONS	HELLO-FM	13.10.2007
104	TUTICORIN	MALAR PUBLICATIONS	HELLO-FM	15.10.2007
105	KANNUR	MALAYALA MANORAMA CO. LTD.	MANGO FM	30.12.2007
106	KOCHI	MALAYALA MANORAMA CO. LTD.	MANGO FM	18.05.2008
107	KOZIKODE	MALAYALA MANORAMA CO. LTD.	MANGO FM	29.11.2007
108	THRISSUR	MALAYALA MANORAMA CO. LTD.	MANGO FM	14.12.2007
109	AHMEDABAD	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	25.07.2007
110	AHMEDNAGAR	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	08.02.2008
111	AKOLA	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	07.02.2008
112	BENGALURU	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	10.06.2001 (01.04.2005*)
113	CHENNAI	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	10.07.2006
114	COIMBATORE	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	12.11.2007
115	DELHI	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	29.04.2003 (01.04.2005*)
116	HYDERABAD	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	30.05.2006
117	JAIPUR	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	08.09.2006
118	JALGOAN	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	22.05.2008
119	LUCKNOW	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	10.12.2001 (01.04.2005*)
120	MUMBAI	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	21.05.2002 (01.04.2005*)
121	NAGPUR	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	21.10.2007
122	NANDED	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	15.05.2008
123	PUNE	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	10.04.2008
124	SANGLI	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	21.12.2007
125	SHOLAPUR	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	14.11.2007
126	SURAT	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	22.08.2007

Annexure 5.3 (Contd.)

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

Annexure 5.3 (Contd.)

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

Annexure 5.3 (Contd.)

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

Annexure 5.3 (Contd.)

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

Annexure 5.3 (Contd.)

S No.	CITY	NAME OF THE COMPANY	CHANNEL IDENTITY	DATE OF 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 SALT LAKE 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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