



Telecom Regulatory Authority of India

The Indian Telecom Services Performance Indicators April - June, 2015

New Delhi, India
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Snapshot

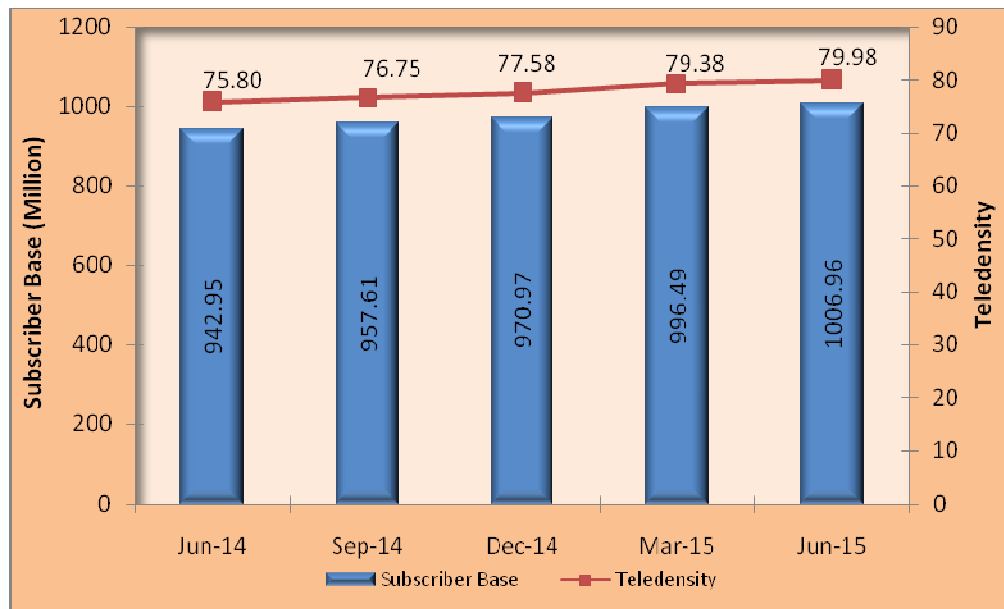
(Data As on 30th June, 2015)	
Telecom Subscribers (Wireless + Wireline)	
Total Subscribers	1,006.96 Million
% change over the previous quarter	1.05%
Urban Subscribers	584.21 Million
Rural Subscribers	422.75 Million
Market share of Private Operators	90.03%
Market share of PSU Operators	9.97%
Teledensity	79.98
Urban Teledensity	149.70
Rural Teledensity	48.66
Wireless Subscribers	
Total Wireless Subscribers	980.81 Million
% change over the previous quarter	1.13%
Urban Subscribers	562.95 Million
Rural Subscribers	417.85 Million
GSM Subscribers	930.92 Million
CDMA Subscribers	49.89 Million
Market share of Private Operators	91.75%
Market share of PSU Operators	8.25%
Teledensity	77.90
Urban Teledensity	144.25
Rural Teledensity	48.10
Wireline Subscribers	
Total Wireline Subscribers	26.15 Million
% change over the previous quarter	-1.66%
Urban Subscribers	21.25 Million
Rural Subscribers	4.90 Million
Market share of Private Operators	25.54%
Market share of PSU Operators	74.46%
Teledensity	2.08
Urban Teledensity	5.45
Rural Teledensity	0.56
No. of Village Public Telephones (VPT)	5,87,280
No. of Public Call Office (PCO)	7,01,941

Internet/Broadband Subscribers	
Total Internet Subscribers	319.42 Million
Narrowband subscribers	210.57 Million
Broadband subscribers	108.85 Million
Wired Internet Subscribers	19.21 Million
Wireless Internet Subscribers	300.22 Million
Urban Internet Subscribers	204.98 Million
Rural Internet Subscribers	114.44 Million
Total Internet Subscribers per 100 population	25.37
Urban Internet Subscribers per 100 population	52.52
Rural Internet Subscribers per 100 population	13.17
Broadcasting & Cable Services	
No. of private satellite TV channels registered with Ministry of I&B	826
Number of private FM Radio Stations	243
Registered DTH Subscribers	78.74 Million
Active DTH Subscribers	39.74 Million
Telecom Financial Data (QE Jun-15)	
Gross Revenue (GR) during the quarter	₹ 65,030 Crore
% change in GR over the previous quarter	-0.30%
Adjusted Gross Revenue (AGR) during the quarter	₹ 47,134 Crore
% change in AGR over the previous quarter	4.38%
Share of Public sector undertaking's in Access AGR	10.17%
Monthly Average Revenue Per User (ARPU) for Access Services	₹ 128
Revenue & Usage Parameters (QE Jun-15)	
Monthly ARPU GSM Full Mobility Service	₹ 126
Monthly ARPU CDMA Full Mobility Service	₹ 107
Minutes of Usage (MOU) per subscriber per month - GSM Full Mobility Service	388 Minutes
Minutes of Usage (MOU) per subscriber per month - CDMA Full Mobility Service	263 Minutes
Total Outgoing Minutes of Usage for Internet Telephony	272 Million
Data Usage of Mobile Users (for the QE Jun-15)	
Data Usage per subscriber per month - GSM	99.36 MB
Data Usage per subscriber per month - CDMA	304.50 MB
Data Usage per subscriber per month – Total(GSM+CDMA)	110.10 MB

Executive Summary

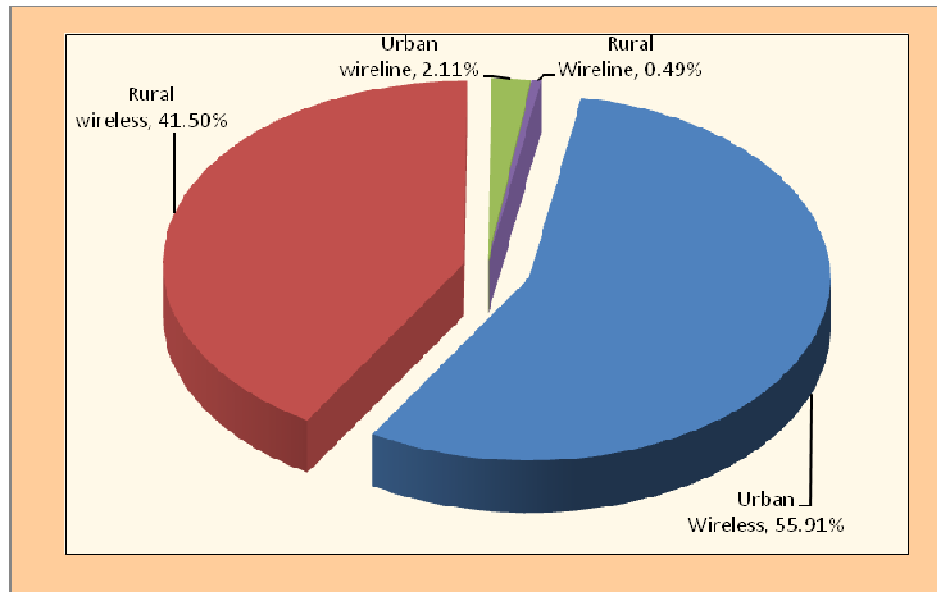
1. The number of telephone subscribers in India increased from 996.49 million at the end of Mar-15 to 1006.96 million at the end of Jun-15, registering a growth of 1.05% over the previous quarter. This reflects year-on-year (Y-O-Y) growth of 6.79% over the same quarter of last year. The overall Teledensity in India increased from 79.38 as on 31st March, 2015 to 79.98 as on 30th June, 2015.

Trends in Telephone subscribers and Teledensity in India



2. Subscription in Urban Areas increased from 577.18 million at the end of Mar-15 to 584.21 million at the end of Jun-15, and Urban Teledensity increased from 148.61 to 149.70. Rural subscription increased from 419.31 million to 422.75 million, and Rural Teledensity also increased from 48.37 to 48.66 during the same period.
3. Out of the total subscription, the share of the Rural areas declined from 42.08% at the end of Mar-15 to 41.98% at the end of Jun-15.

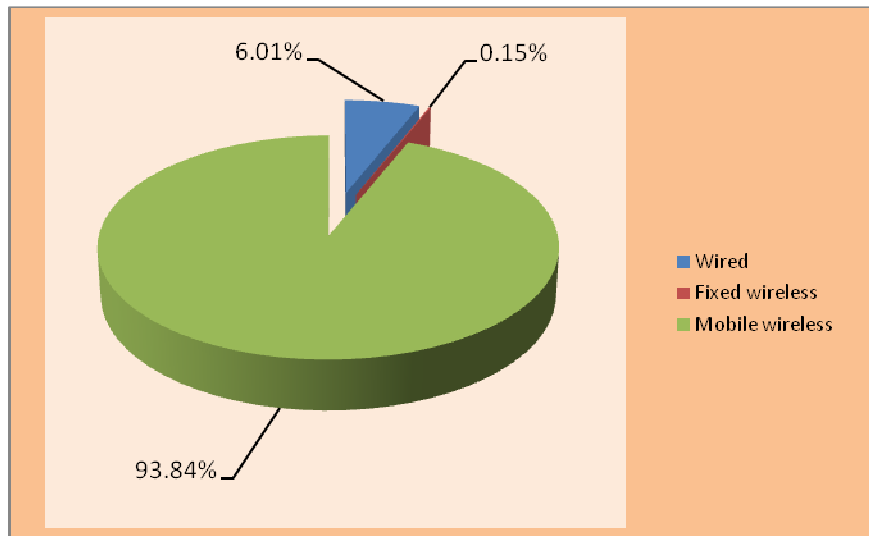
Composition of Telephone Subscribers



4. With a net addition of 10.91 million subscribers during the quarter, total wireless (GSM+CDMA) subscriber base increased from 969.89 million at the end of Mar-15 to 980.81 million at the end of Jun-15, registering a growth rate of 1.13% over the previous quarter. The year-on-year (Y-O-Y) growth rate of wireless subscribers for Jun-15 is 7.20%.
5. Wireless Tele-density increased from 77.27 at the end of Mar-15 to 77.90 at the end of Jun-15.
6. Wireline subscriber base further declined from 26.59 million at the end of Mar-15 to 26.15 million at the end of Jun-15, registering a decline of 1.66%. The year-on-year (Y-O-Y) decline in wireline subscribers for Jun-15 is 6.69%.
7. Wireline Teledensity declined from 2.12 at the end of Mar-15 to 2.08 at the end of Jun-15.

8. Total number of Internet subscribers has increased from 302.35 million at the end of Mar-15 to 319.42 million at the end of Jun-15, registering a quarterly growth rate of 5.65%. Out of 319.42 million, Wired Internet subscribers are 19.21 million and Wireless Internet subscribers are 300.22 million.

Composition of internet subscription

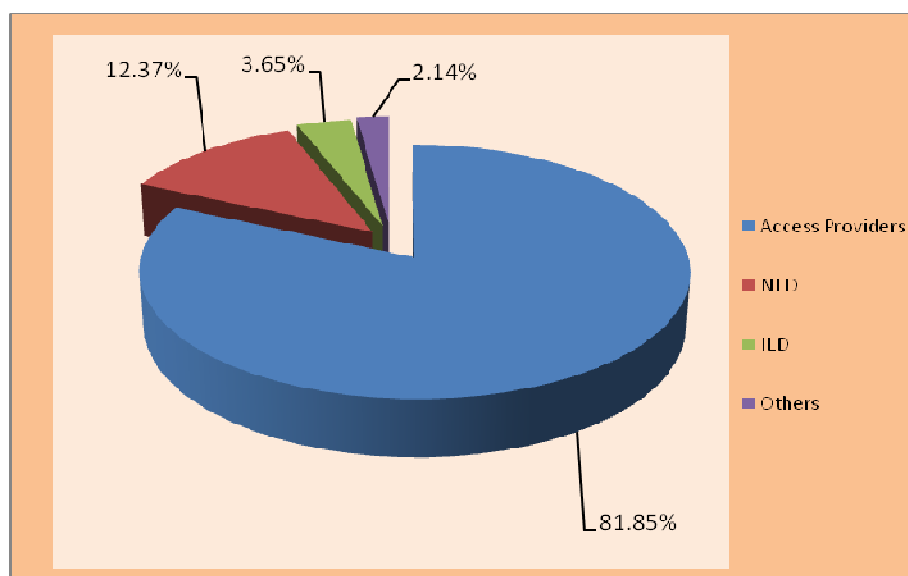


9. Number of Broadband Internet subscribers increased from 99.20 million at the end of Mar-15 to 108.85 million at the end of Jun-15 showing quarterly growth rate of 9.73%.
10. The number of Narrowband Internet subscribers increased from 203.15 million at the end of Mar-15 to 210.57 million at the end of Jun-15 with quarterly growth rate of 3.65%.
11. Monthly Average Revenue Per User (ARPU) for GSM service increased by 4.35%, from ₹121 in QE Mar-15 to ₹126 in QE Jun-15. Monthly ARPU for GSM service grew by 5.88% on Y-O-Y in this quarter.

12. Prepaid ARPU for GSM service per month increased from ₹105 in QE Mar-15 to ₹109 in QE Jun-15, and Postpaid ARPU per month increased from ₹474 in QE Mar-15 to ₹501 in QE Jun-15.
13. On an all India average, the overall MOU per subscriber per month for GSM service increased by 1.30% from 383 for QE Mar-15 to 388 in QE Jun-15.
14. Prepaid MOU per subscriber for GSM service increased from 358 in QE Mar-15 to 363 in QE Jun-15, and postpaid MOUs increased from 923 in QE Mar-15 to 937 in QE Jun-15.
15. Monthly ARPU for CDMA full mobility service decreased by 1.10%, from ₹108 in QE Mar-15 to ₹107 in QE Jun-15. Monthly ARPU for CDMA full mobility service declined by 4.02% on Y-O-Y basis in this quarter.
16. The total MOU for CDMA per subscriber per month declined by 0.80%, from 265 in QE Mar-15 to 263 in QE Jun-15. The outgoing MOUs increased from 144 in QE Mar-15 to 145 in QE Jun-15, whereas incoming MOUs decreased from 121 in QE Mar-15 to 118 in QE Jun-15.
17. Gross Revenue (GR) and Adjusted Gross Revenue (AGR) of Telecom Service Sector for the QE Jun-15 has been ₹65030 Crore and ₹47134 Crore respectively. GR declined by 0.30%, whereas AGR increased by 4.38% in QE Jun-15 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 3.36% and 7.49% respectively.

19. Pass-through charges accounted for 27.52% of the GR for the quarter ending Jun-15. The quarterly and the year-on-year (Y-O-Y) growth rates of pass-through charges for QE Jun-15 are -10.83% and -6.14% respectively.
20. The License Fee increased from Rs.3617 Crore for the QE Mar-15 to Rs.3783 Crore for the QE Jun-15. The quarterly and the year-on-year (Y-O-Y) growth rates of license fee are 4.58% and 7.98% respectively in this quarter.
21. Access services contributed 81.85% 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 1.10%, 7.35%, 7.21% and 8.07% respectively and Pass Through Charges declined by 15.72% in QE Jun-15.
22. Monthly Average Revenue per User (ARPU) for Access Services based on AGR increased from ₹121.81 in QE Mar-15 to ₹128.45 in QE Jun-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"> • Call Set-up Success Rate (within licensee's own network) • Standalone Dedicated Control Channel (SDCCH)/ Paging Channel Congestion • Resolution of billing/charging/ credit & validity complaints (98% within 4 weeks) • Accessibility of call centre/ customer care • %age of calls answered by the operators (voice to voice) within 90 sec • Time taken for refund of deposits after closures 	<ul style="list-style-type: none"> • Traffic Channel (TCH) Congestion • 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 • 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

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"> • Call Set-up Success Rate (within licensee's own network) • Connections with good voice quality and Circuit Switch Voice Quality (CSV quality) • Point of Interconnection (POI) Congestion 	<ul style="list-style-type: none"> • BTSs and Node-B's accumulated downtime (not available for service) (%age) • Worst affected BTSs and Node-B's due to downtime (%age) • Call Drop and Circuit Switched Voice Drop Rate (%age)

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"> • Point of Interconnection (POI) Congestion (No. of POIs not meeting benchmark) • Resolution of billing/ charging/ credit & validity complaints (98% within 4 weeks & 100% within 6 weeks) • Accessibility of call centre/ customer care 	<ul style="list-style-type: none"> • % Fault repaired by 5 days (for urban areas) • Mean Time to Repair (MTTR) • %age of calls answered by the operators (voice to voice) within 90 sec • Termination/ Closure of service 100% within 7 days

26. A total of 826 private satellite TV channels have been permitted by the Ministry of Information and Broadcasting (MIB) for uplinking only/downlinking/uplinking, as on 30.06.2015.

27. There were a total of 251 Pay channels as reported by the broadcasters as on 31.03.2015. During the quarter ending June 2015, four new pay channels i.e (i) Sony KIX, (ii) AXN HD, (iii) ETV News Odia and (iv) Star Movies Select HD were launched. During the quarter three channels namely (i) Fox Crime, (ii) 9X and (iii) Zee Premier were discontinued. Now, there are 252 pay TV Channels at the quarter ending June, 2015.

28. 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 397. 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.

29. 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.
30. As on 30.06.2015, there are a total of 211 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.
31. 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 30th June, 2015. The information therein is as received from MIB.
32. 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.
33. 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 78.74 million & 39.74, million respectively as on 30th June 2015.
34. As per data received from MIB, as on 30th June, 2015, out of the 230 community radio licenses issued so far, 186 stations are operational.

Trends at a Glance

A. Access Service (Wireline + Wireless)

	QE Jun 2014	QE Sep 2014	QE Dec 2014	QE Mar 2015	QE Jun 2015	%age change over Jun- 2014	%age change over Sep- 2014	%age change over Dec- 2014	%age change over Mar- 2015
						(12 months)	(9 months)	(6 months)	(3 months)
1) Subscriber Base (in million)									
Wireline	28.03	27.41	27.00	26.59	26.15	-6.69%	-4.58%	-3.14%	-1.66%
Wireless	914.92	930.20	943.97	969.89	980.81	7.20%	5.44%	3.90%	1.13%
Total	942.95	957.61	970.97	996.49	1006.96	6.79%	5.15%	3.71%	1.05%
Rural	383.18	388.05	398.68	419.31	422.75	10.33%	8.94%	6.04%	0.82%
Urban	559.77	569.56	572.29	577.18	584.21	4.36%	2.57%	2.08%	1.22%
2) Teledensity									
Wireline	2.25	2.20	2.16	2.12	2.08	-7.80%	-5.43%	-3.72%	-1.96%
Wireless	73.55	74.55	75.43	77.27	77.90	5.92%	4.49%	3.28%	0.82%
Total	75.80	76.75	77.58	79.38	79.98	5.51%	4.21%	3.09%	0.75%
Rural	44.50	44.96	46.09	48.37	48.66	9.37%	8.23%	5.58%	0.61%
Urban	146.24	148.07	148.06	148.61	149.70	2.36%	1.10%	1.10%	0.73%
3) Service Provider wise Subscribers Base (in Million)									
Bharti	212.60	214.92	220.60	229.43	234.11	10.12%	8.93%	6.12%	2.04%
Vodafone	169.96	173.92	178.75	183.88	185.47	9.12%	6.64%	3.76%	0.86%
Idea	139.01	143.56	150.54	157.81	162.08	16.59%	12.90%	7.67%	2.71%
Reliance	110.06	111.32	107.48	110.65	111.08	0.93%	-0.21%	3.35%	0.39%
BSNL	107.50	104.09	98.32	93.64	93.29	-13.22%	-10.37%	-5.11%	-0.37%
Aircel	73.07	75.85	78.67	81.40	83.05	13.66%	9.49%	5.56%	2.03%
Tata	64.44	65.84	67.78	67.99	63.26	-1.83%	-3.91%	-6.67%	-6.95%
Telewings	39.31	41.82	43.63	45.62	48.13	22.43%	15.10%	10.31%	5.51%
Sistema	9.21	9.19	9.04	8.92	8.75	-4.94%	-4.70%	-3.11%	-1.87%
Videocon	5.55	5.94	6.45	7.13	7.61	37.11%	28.08%	17.94%	6.68%
MTNL	6.90	6.93	6.97	7.06	7.08	2.73%	2.25%	1.60%	0.29%
Quadrant	2.50	2.66	2.74	2.96	3.04	21.56%	14.21%	10.94%	2.64%
Loop	2.84	1.58	-	-	-	-	-	-	-
Total	942.95	957.61	970.97	996.49	1006.96	6.79%	5.15%	3.71%	1.05%

B. Internet Services

	QE Jun 2014	QE Sep 2014	QE Dec 2014	QE Mar 2015	QE Jun 2015	%age change over Jun- 2014	%age change over Sep- 2014	%age change over Dec- 2014	%age change over Mar- 2015
						(12 months)	(9 months)	(6 months)	(3 months)
1) Subscriber's Base (in million)									
A. Wired Internet Subscribers	18.55	18.70	18.86	19.07	19.21	3.56%	2.73%	1.83%	0.72%
B. Wireless Internet Subscribers	240.60	235.70	248.53	283.29	300.22	24.78%	27.37%	20.80%	5.98%
i. Mobile Wireless (Mobile & Dongle)	240.14	235.24	248.06	282.81	299.73	24.82%	27.41%	20.83%	5.98%
ii. Fixed Wireless (Wi-Fi, Wi-Max, Point-to-Point Radio & VSAT)	0.46	0.46	0.46	0.48	0.48	4.74%	5.38%	4.32%	1.55%
Total Internet Subscribers	259.14	254.40	267.39	302.35	319.42	23.26%	25.56%	19.46%	5.65%
2) No. of Internet Subs per 100 Population	20.83	20.39	21.37	24.09	25.37	21.79%	24.43%	18.75%	5.33%

C. Usage and Revenue for Full Mobility Services

1. Traffic (MOU) (minutes of use/subscriber/month)									
i) GSM	390	376	376	383	388	-0.46%	3.27%	3.19%	1.30%
ii) CDMA	283	267	262	265	263	-7.02%	-1.51%	0.40%	-0.80%
2) ARPU (Rs./sub/ month)									
i) GSM	118.94	115.72	118.44	120.68	125.93	5.88%	8.82%	6.32%	4.35%
ii) CDMA	111.51	110.25	108.61	108.21	107.02	-4.02%	-2.93%	-1.46%	-1.10%

D. Telecom Financial Data

	QE Jun 2014	QE Sep 2014	QE Dec 2014	QE Mar 2015	QE Jun 2015	%age change over Jun- 2014	%age change over Sep- 2014	%age change over Dec- 2014	%age change over Mar- 2015
						(12 months)	(9 months)	(6 months)	(3 months)
1. Telecom Sector									
i) Gross Revenue (Rs. in Crores)	62919.19	62446.66	63954.67	65226.73	65030.31	3.36%	4.14%	1.68%	-0.30%
ii) Adjusted Gross Revenue (Rs. in Crores)	43851.85	43229.38	43590.57	45157.78	47134.27	7.49%	9.03%	8.13%	4.38%
2. Access Services									
Adjusted Gross Revenue (Rs. in Crores)	34416.53	33669.47	34541.96	35938.26	38578.39	12.09%	14.58%	11.69%	7.35%
ARPU per month (AGR/ Average subscribers/3)	122.39	118.20	119.48	121.81	128.45	4.95%	8.67%	7.51%	5.44%

Introduction

This Report presents the Key Parameters and growth trends for the Telecom Services in India for the quarter ending June, 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), 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 996.49 million at the end of Mar-15 to 1,006.96 million at the end of Jun-15, registering a growth of 1.05% over the previous quarter. This reflects year-on-year (Y-O-Y) growth of 6.79% over the same quarter of last year. The overall Tele-density in India increased to 79.98 at the end of Jun-15 from 79.38 at the end of the previous quarter.

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

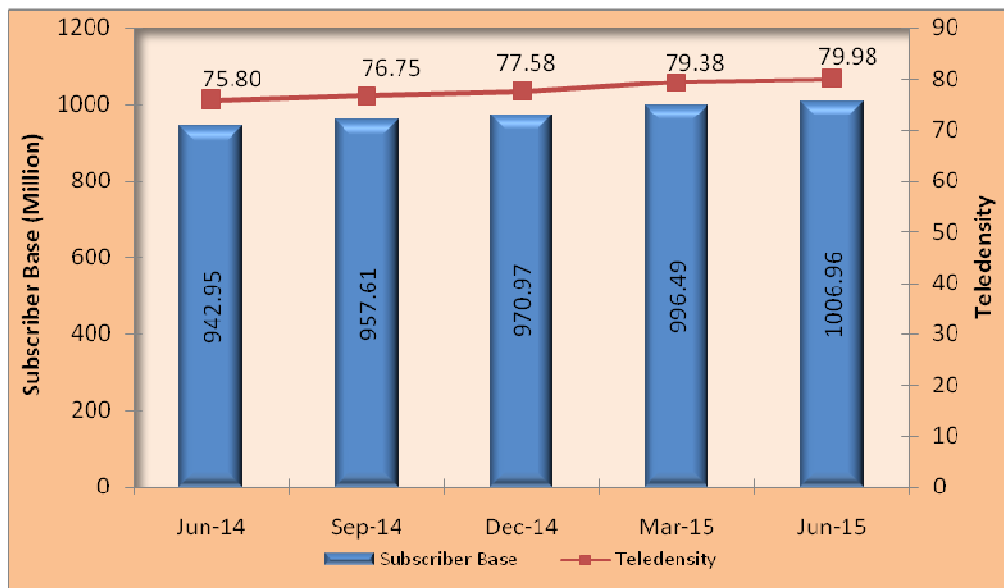
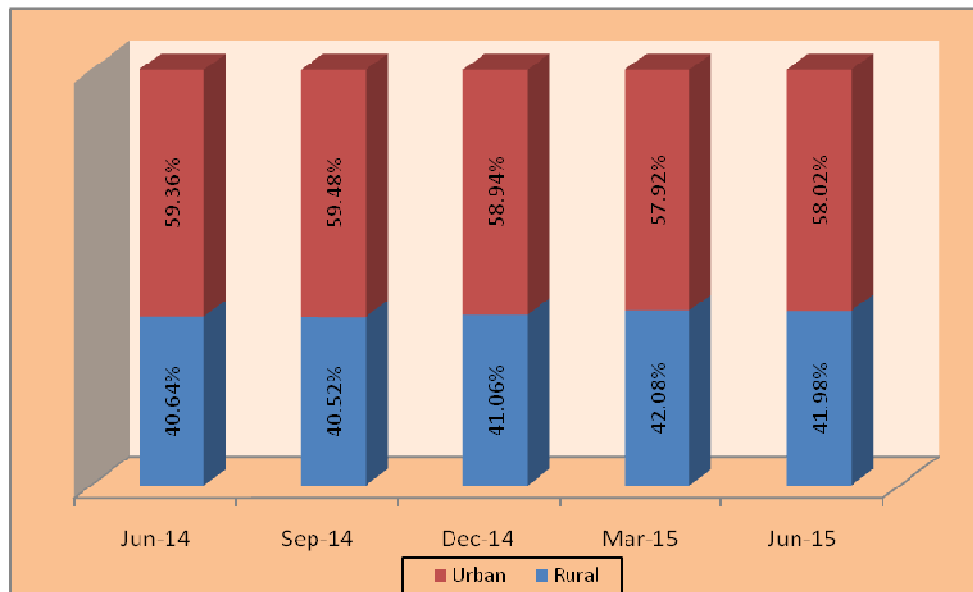


Table 1.1: Subscriber Base & Teledensity - Rural & Urban

Quarter ending	Subscriber Base (million)		Teledensity	
	Rural	Urban	Rural	Urban
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
Jun-15	422.75	584.21	48.66	149.70

- 1.2 Subscription in Urban Areas increased from 577.18 million at the end of Mar-15 to 584.21 million at the end of Jun-15, and the Urban Tele-density increased from 148.61 to 149.70 during the quarter.
- 1.3 Rural subscription increased from 419.31 million to 422.75 million and the Rural Tele-density increased from 48.37 to 48.66 during the quarter.
- 1.4 The year-on-year (Y-O-Y) growth rate of Rural and Urban Tele-density from Jun-14 to Jun-15 is 9.37% and 2.36% respectively.

Chart 1.2: Market Share - Rural & Urban



- 1.5 Share of rural areas in total subscription has declined from 42.08% at the end of Mar-15 to 41.98% at the end of Jun-15. The year-on-year (Y-O-Y) growth of the market share in the rural areas for Jun-15 is 3.32%.

Chart 1.3: Composition of Access subscription - Wireline & Wireless

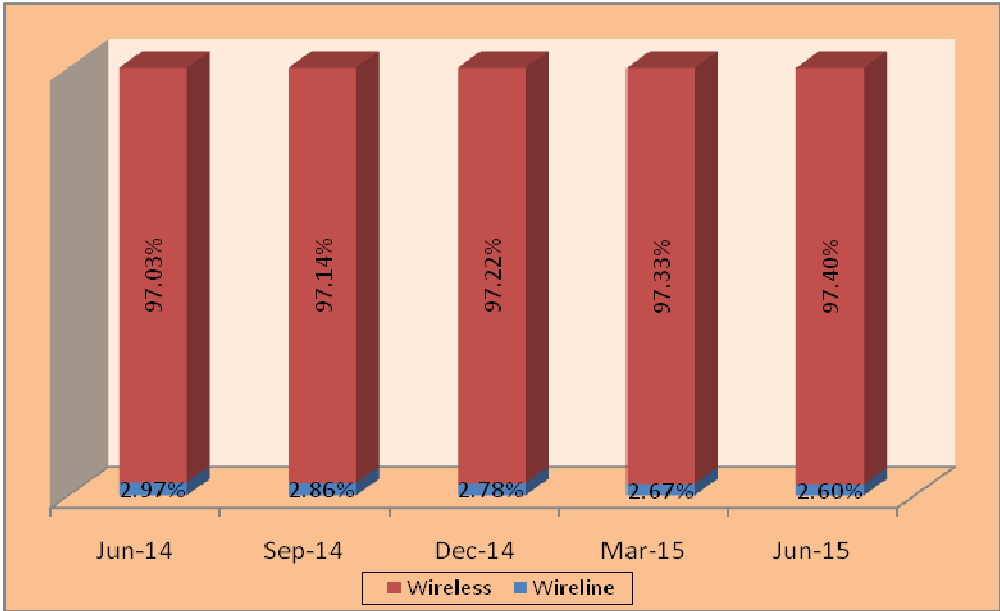


Chart 1.4: Composition of Rural-Urban Telephone Subscribers at the end of the quarter

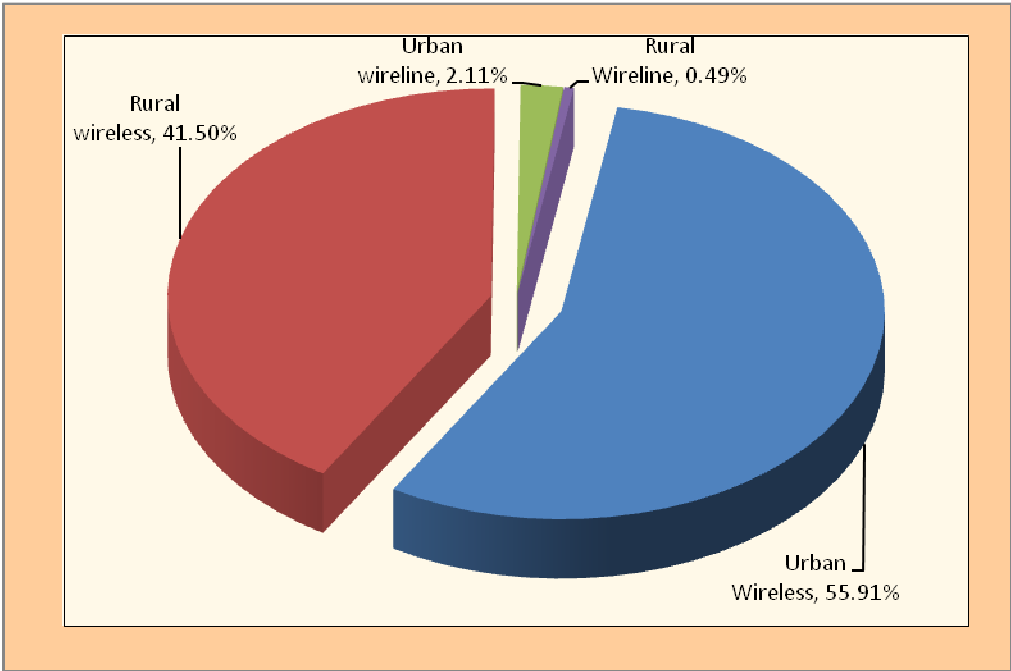


Table 1.2: Service Area wise Access (Wireless+Wireline) Subscriber base

Service Area	Subscribers (million)			
	Mar-15	Jun-15	Net Additions	Rate of Growth(%)
Andhra Pradesh	73.82	73.76	-0.05	-0.07
Assam	17.32	17.72	0.41	2.34
Bihar	69.63	72.97	3.34	4.80
Delhi	49.32	49.45	0.13	0.27
Gujarat	60.12	60.00	-0.12	-0.20
Haryana	22.41	22.44	0.02	0.11
Himachal Pradesh	8.06	8.31	0.24	3.00
Jammu & Kashmir	9.46	9.75	0.29	3.03
Karnataka	60.31	60.44	0.12	0.21
Kerala	33.99	34.48	0.49	1.43
Madhya Pradesh	61.83	62.63	0.80	1.30
Maharashtra	79.06	78.96	-0.10	-0.12
Mumbai	33.71	33.46	-0.25	-0.73
North East	10.52	10.68	0.17	1.58
Orissa	28.19	28.73	0.54	1.92
Punjab	31.75	31.91	0.16	0.50
Rajasthan	56.03	56.56	0.53	0.95
T.N. (incl. Chennai)	83.08	82.69	-0.39	-0.47
U.P.(E)	83.91	85.25	1.34	1.60
U.P.(W)	52.51	53.19	0.69	1.31
Kolkata	23.56	24.11	0.55	2.31
West Bengal	47.91	49.47	1.57	3.27
All India	996.49	1,006.96	10.47	1.05

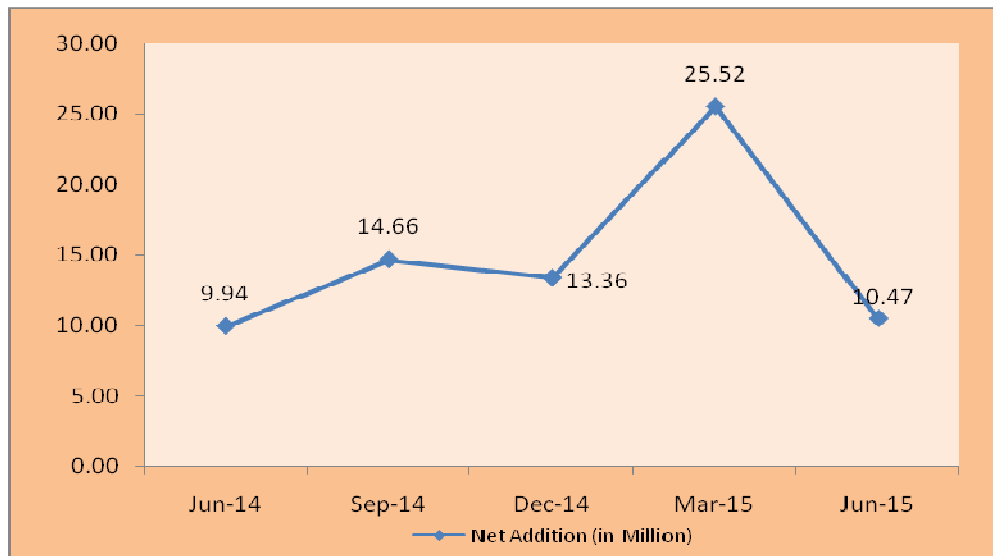
1.6 During the quarter, Bihar service area has recorded the highest growth rate of 4.80% followed by West Bengal service area (3.27%).

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

Service Area	Subscribers (million)			
	Total	Rural	Urban	% of Rural Subscribers
Andhra Pradesh	73.76	30.87	42.89	41.85
Assam	17.72	10.87	6.85	61.33
Bihar	72.97	40.63	32.34	55.67
Delhi	49.45	2.25	47.19	4.56
Gujarat	60.00	22.68	37.32	37.80

Service Area	Subscribers (million)			
	Total	Rural	Urban	% of Rural Subscribers
Haryana	22.44	10.30	12.14	45.90
Himachal Pradesh	8.31	5.47	2.83	65.89
Jammu & Kashmir	9.75	5.08	4.67	52.14
Karnataka	60.44	19.24	41.20	31.83
Kerala	34.48	18.16	16.32	52.66
Madhya Pradesh	62.63	28.34	34.28	45.26
Maharashtra	78.96	37.20	41.76	47.11
Mumbai	33.46	0.94	32.53	2.80
North East	10.68	5.26	5.42	49.28
Orissa	28.73	15.85	12.88	55.16
Punjab	31.91	12.50	19.41	39.17
Rajasthan	56.56	29.78	26.78	52.66
T.N. (incl. Chennai)	82.69	23.86	58.83	28.86
U.P.(E)	85.25	43.43	41.82	50.95
U.P.(W)	53.19	25.42	27.78	47.78
Kolkata	24.11	1.69	22.42	7.02
West Bengal	49.47	32.93	16.54	66.56
All India	1,006.96	422.75	584.21	41.98

Chart 1.5: Trend of Net Addition in Telephone Subscription



1.7 The net addition in telephone subscribers is 10.47 million in QE Jun-15 as against the net addition of 25.52 million in QE Mar-15.

Table 1.4 : Service Area wise Teledensity

Service Area	As on 31 st March, 2015			As on 30 th June, 2015		
	Rural Teledensity	Urban Teledensity	Total Teledensity	Rural Teledensity	Urban Teledensity	Total Teledensity
Andhra Pradesh	49.04	174.94	84.15	48.72	174.91	83.92
Assam	39.18	132.25	53.95	40.16	133.64	55.05
Bihar	33.14	164.13	51.17	34.52	172.07	53.47
Delhi	-	-	237.94	-	-	236.83
Gujarat	61.86	143.01	95.61	61.65	141.99	95.13
Haryana	59.62	124.23	82.66	58.94	124.63	82.45
H.P.	84.88	340.57	114.52	87.76	345.38	117.71
J&K	55.85	132.02	76.93	57.02	136.47	79.05
Karnataka	49.02	174.88	97.52	50.55	172.11	97.50
Kerala	67.18	179.09	95.57	68.29	180.70	96.80
Madhya Pradesh	36.85	123.16	60.36	37.92	122.24	60.93
Maharashtra*	61.07	128.37	93.41	60.74	127.41	92.84
Mumbai*						
North East	50.32	153.95	76.18	50.70	156.52	77.16
Orissa	44.46	172.11	66.85	45.51	173.39	68.00
Punjab	71.96	145.38	103.78	72.07	145.55	104.02
Rajasthan	53.55	153.93	77.76	54.30	153.46	78.23
T.N. (incl Chennai)	82.75	141.81	117.52	82.46	140.55	116.81
U.P.(E)*	40.70	127.71	60.51	39.40	134.87	61.16
U.P.(W)*						
Kolkata*	50.19	140.40	76.05	51.54	144.22	78.12
W.B.*						
All India	48.37	148.61	79.38	48.66	149.70	79.98

* 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 87.76, followed by Tamil Nadu (82.46). Bihar continues to have the lowest Rural Tele-density of 34.52, followed by Madhya Pradesh (37.92).

Table 1.5 : Growth/Decline in Subscribers

Service Provider	Subscriber base (millions)			Rate of Growth (%)	Market Share Mar-15 (%)	Market Share Jun-15 (%)
	Mar-15	Jun-15	Net Additions			
Bharti	229.43	234.11	4.68	2.04	23.02	23.25
Vodafone	183.88	185.47	1.59	0.86	18.45	18.42
IDEA	157.81	162.08	4.27	2.71	15.84	16.10
Reliance Comm. Group	110.65	111.08	0.43	0.39	11.10	11.03
Tata	67.99	63.26	-4.73	-6.95	6.82	6.28
Aircel	81.40	83.05	1.65	2.03	8.17	8.25
Quadrant	2.96	3.04	0.08	2.64	0.30	0.30
Sistema	8.92	8.75	-0.17	-1.87	0.90	0.87
Telewings	45.62	48.13	2.51	5.51	4.58	4.78
Videocon	7.13	7.61	0.48	6.68	0.72	0.76
BSNL	93.64	93.29	-0.34	-0.37	9.40	9.26
MTNL	7.06	7.08	0.02	0.29	0.71	0.70
Total	996.49	1,006.96	10.47	1.05	100	100

- 1.9 Bharti is the leading service provider in access segment in terms of number of subscribers. During the quarter, Bharti recorded the highest net addition of 4.68 million subscribers followed by Idea Cellular (4.27 million). Tata (4.73 million), BSNL (-0.34 million) and Sistema Shyam (-0.17 million) recorded the net decline in subscribers during the QE Jun-15.

Table 1.6 : Market Share of the service providers in total rural subscriber base – Q.E. Jun-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	234.11	110.25	47.09	26.08
Vodafone	185.47	99.26	53.52	23.48
IDEA	162.08	92.73	57.21	21.94
BSNL	93.29	30.75	32.96	7.27
Aircel	83.05	29.13	35.07	6.89
Reliance Comm. Group	111.08	27.86	25.08	6.59
Tata	63.26	15.85	25.06	3.75
Telewings	48.13	14.91	30.97	3.53
Sistema	8.75	1.89	21.54	0.45
Quadrant	3.04	0.13	4.16	0.03
Videocon	7.61	-	-	-
MTNL	7.08	-	-	-
Total	1,006.96	422.75	41.98	100

1.10 IDEA continues to remain the service provider with highest proportion of rural subscribers (57.21%), followed by Vodafone (53.52%) to their total subscribers.

Section B : Wireless Service

Table 1.7: List of Cellular Mobile (GSM & CDMA) Service Providers currently providing service [As on 30th June, 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 30th June, 2015 is at Annexure -1.1.

1.12 Total Wireless (GSM+CDMA) subscriber base increased from 969.89 million at the end of Mar-15 to 980.81 million at the end of Jun-15, thereby showing a growth rate of 1.13%. During this quarter, net addition of 10.91 million subscribers was recorded. The year-on-year (Y-O-Y) growth of wireless subscribers is 7.20% for Q.E. Jun-15.

1.13 Wireless Teledensity increased from 77.27 at the end of Mar-15 to 77.90 at the end of Jun-15.

Chart 1.6: Wireless Subscriber Base and Teledensity

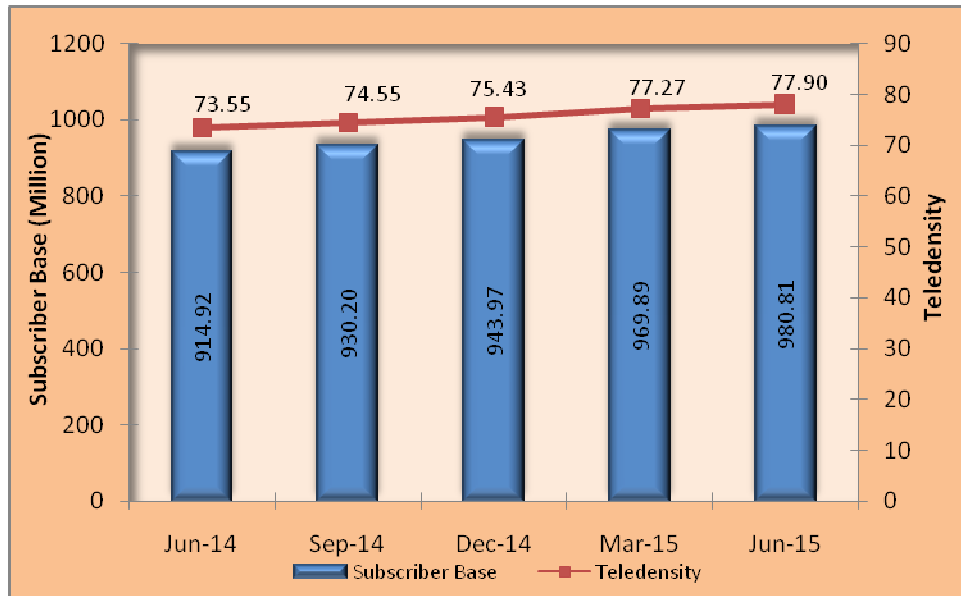


Table 1.8: Wireless Subscriber Base & Teledensity - Rural & Urban

Quarter ending	Subscriber Base (million)		Tele-density	
	Rural	Urban	Rural	Urban
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
Jun-15	417.85	562.95	48.10	144.25

1.14 The Rural Wireless subscribers increased from 414.18 million at the end of Mar-15 to 417.85 million at the end of Jun-15.

1.15 Rural subscription increased at the rate of 0.89% in QE Jun-15 as against the growth rate of 5.30% in QE Mar-15. Urban subscription increased at the rate of 4.72% as against the growth rate of 4.31% in the previous quarter.

1.16 The share of rural wireless subscription slightly declined from 42.70% to 42.60% in total wireless subscription in this quarter.

Chart 1.7: Wireless Market Share - Rural & Urban

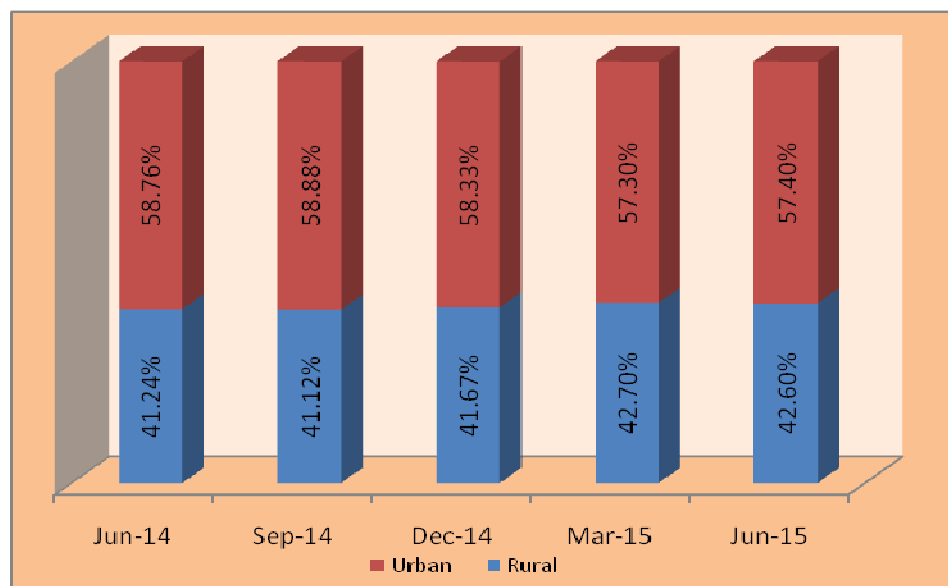


Table 1.9: Growth in Wireless Subscriber base

Service Provider	Subscriber Base (millions)			Rate of Growth (%)	Market Share Mar-15 (%)	Market Share Jun-15 (%)
	Mar-15	Jun-15	Net Additions			
Bharti	226.02	230.66	4.64	2.05	23.30	23.52
Vodafone	183.80	185.38	1.58	0.86	18.95	18.90
IDEA	157.81	162.08	4.27	2.71	16.27	16.53
Reliance Comm. Group	109.47	109.91	0.44	0.40	11.29	11.21
Tata	66.32	61.57	-4.74	-7.15	6.84	6.28
Aircel	81.40	83.05	1.65	2.03	8.39	8.47
Quadrant	2.73	2.81	0.08	2.79	0.28	0.29
Sistema	8.86	8.70	-0.17	-1.90	0.91	0.89
Telewings	45.62	48.13	2.51	5.51	4.70	4.91
BSNL	77.22	77.36	0.13	0.17	7.96	7.89
MTNL	3.51	3.55	0.04	1.03	0.36	0.36
Videocon	7.13	7.61	0.48	6.68	0.74	0.78
Total	969.89	980.81	10.91	1.13	100	100

- 1.17 Bharti remains the leading service provider with 230.66 million subscribers at the end of Jun-15, followed by Vodafone (185.38 million) and Idea (162.08 million).
- 1.18 In terms of net additions during the quarter ending Jun-15, Bharti (4.64 million) has added the highest number of subscribers, followed by Idea Cellular (4.27 million). Tata 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)			
	Mar-15	Jun-15	Net Additions	Rate of change (%)
Andhra Pradesh	71.95	71.93	-0.02	-0.03
Assam	17.15	17.56	0.41	2.37
Bihar	69.27	72.62	3.35	4.84
Delhi	46.17	46.30	0.13	0.27
Gujarat	58.56	58.50	-0.07	-0.11
Haryana	22.01	22.04	0.04	0.16
Himachal Pradesh	7.86	8.11	0.26	3.29
Jammu & Kashmir	9.31	9.61	0.30	3.18
Karnataka	58.04	58.17	0.13	0.23
Kerala	31.41	31.94	0.54	1.71
Madhya Pradesh	60.72	61.56	0.84	1.38
Maharashtra	76.94	76.90	-0.04	-0.06
Mumbai	30.65	30.41	-0.23	-0.76
North East	10.39	10.56	0.17	1.60
Orissa	27.87	28.41	0.54	1.95
Punjab	30.63	30.80	0.18	0.58
Rajasthan	55.21	55.75	0.54	0.99
T.N. (incl. Chennai)	80.32	79.96	-0.36	-0.45
U.P.(E)	83.40	84.75	1.36	1.62
U.P.(W)	52.02	52.73	0.70	1.35
Kolkata	22.56	23.12	0.56	2.50
West Bengal	47.46	49.06	1.60	3.37
All India	969.89	980.81	10.91	1.13

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

Service Area	Subscriber base (in million) – Jun-15			
	Total	Rural	Urban	% of Rural Subscribers
Andhra Pradesh	71.93	30.44	41.49	42.32
Assam	17.56	10.84	6.72	61.74
Bihar	72.62	40.53	32.09	55.81
Delhi	46.30	2.25	44.05	4.87
Gujarat	58.50	22.41	36.09	38.31
Haryana	22.04	10.20	11.84	46.28
Himachal Pradesh	8.11	5.34	2.77	65.85
Jammu & Kashmir	9.61	5.06	4.55	52.68
Karnataka	58.17	18.98	39.19	32.63
Kerala	31.94	16.51	15.43	51.70
Madhya Pradesh	61.56	28.20	33.36	45.81
Maharashtra	76.90	36.77	40.13	47.82
Mumbai	30.41	0.94	29.48	3.08
North East	10.56	5.24	5.32	49.60
Orissa	28.41	15.77	12.65	55.49
Punjab	30.80	12.17	18.63	39.51
Rajasthan	55.75	29.63	26.12	53.14
T.N. (incl. Chennai)	79.96	23.42	56.55	29.28
U.P.(E)	84.75	43.36	41.39	51.16
U.P.(W)	52.73	25.36	27.36	48.10
Kolkata	23.12	1.69	21.43	7.32
West Bengal	49.06	32.75	16.32	66.75
All India	980.81	417.85	562.95	42.60

Table 1.12 : Service Area wise Wireless Tele-density

Service Area	As on 31 st March, 2015			As on 30 th June, 2015		
	Rural Teledensity	Urban Teledensity	Total Teledensity	Rural Teledensity	Urban Teledensity	Total Teledensity
A.P.	48.32	169.16	82.02	48.03	169.19	81.83
Assam	39.07	129.56	53.43	40.05	130.99	54.53
Bihar	33.06	162.75	50.91	34.44	170.72	53.21
Delhi	-	-	222.78	-	-	221.76
Gujarat	61.06	138.20	93.14	60.92	137.32	92.75
Haryana	59.03	121.09	81.17	58.38	121.57	81.00
H.P.	82.55	332.79	111.56	85.68	337.82	114.99
J&K	55.58	128.35	75.71	56.79	132.98	77.92
Karnataka	48.32	166.45	93.84	49.88	163.71	93.84
Kerala	60.84	169.07	88.30	62.12	170.81	89.68
M.P.	36.64	119.76	59.29	37.73	118.95	59.89
Maharashtra*	60.34	120.23	89.12	60.06	119.38	88.62
Mumbai*						
North East	50.04	151.11	75.26	50.43	153.69	76.25
Orissa	44.23	168.88	66.09	45.28	170.19	67.25
Punjab	70.01	139.48	100.12	70.19	139.74	100.43
Rajasthan	53.25	150.14	76.62	54.01	149.73	77.11
Tamil Nadu (incl. Chennai)	81.17	136.29	113.62	80.92	135.10	112.95
U.P.(E)*	40.62	126.04	60.06	39.32	133.25	60.74
U.P.(W)*						
Kolkata*	49.89	135.77	74.51	51.27	139.72	76.64
West Bengal*						
All India	47.78	143.08	77.27	48.10	144.25	77.90

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

Notes:

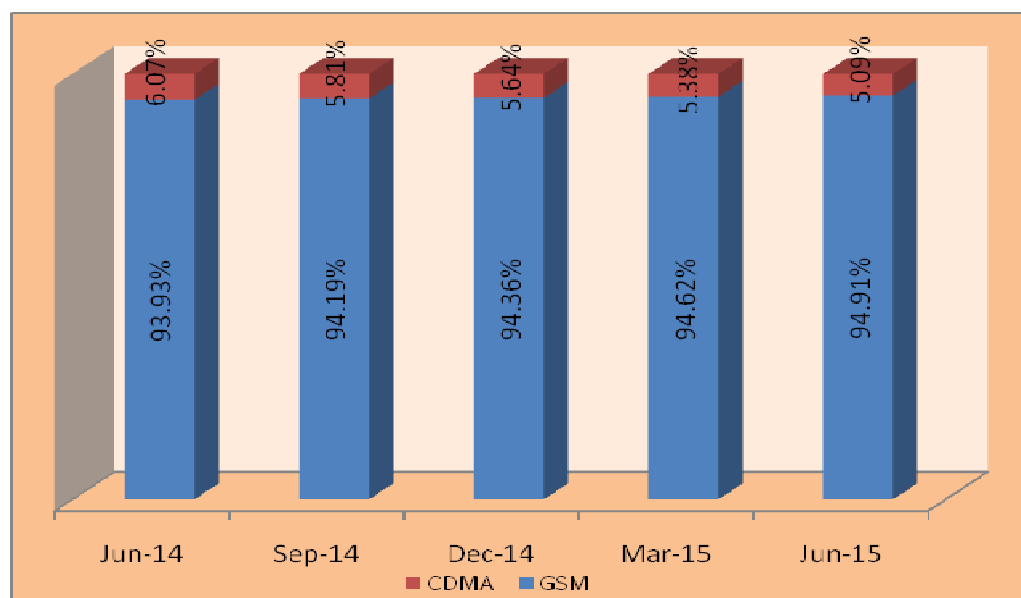
1. Teledensity figures are derived from the subscriber data provided by the operators and the population projections, for Urban and Rural areas, of the country, published by the Office of the Registrar General & Census Commissioner, India.
2. Delhi service area, apart from the State of Delhi, includes 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 Jun-15 (in millions)	Rural Subscribers (in millions)		% of Rural subscribers in total		Market Share of Rural Subscribers (%)	
		Mar-15	Jun-15	Mar-15	Jun-15	Mar-15	Jun-15
Bharti	230.66	107.61	110.25	47.61	47.80	25.98	26.38
Vodafone	185.38	97.91	99.26	53.27	53.54	23.64	23.75
IDEA	162.08	89.29	92.73	56.58	57.21	21.56	22.19
BSNL	77.36	29.52	25.96	38.23	33.56	7.13	6.21
Reliance Comm. Group	109.91	27.75	27.86	25.35	25.35	6.70	6.67
Aircel	83.05	28.65	29.13	35.20	35.07	6.92	6.97
Tata	61.57	17.25	15.80	26.01	25.67	4.16	3.78
Telewings	48.13	14.19	14.91	31.12	30.97	3.43	3.57
Sistema	8.70	1.95	1.88	22.01	21.57	0.47	0.45
Quadrant	2.81	0.07	0.07	2.51	2.51	0.02	0.02
Videocon	7.61	0.00	0.00	0.00	0.00	0.00	0.00
MTNL	3.55	0.00	0.00	0.00	0.00	0.00	0.00
Total	980.81	414.18	417.85	42.70	42.60	100	100

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

Chart 1.8: Wireless Subscription: GSM vs CDMA



1.20 At the end of Jun-15, GSM subscribers constituted 94.91% share of the wireless market.

GSM Services

1.21 The GSM subscribers increased from 917.73 million at the end of Mar-15 to as against 930.92 million at the end of Jun-15, showing a quarterly growth of 1.44%. Bharti with 230.66 million subscribers continues to be the largest GSM mobile operator, followed by Vodafone (185.38 million).

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

Service Provider	Mar-15		Jun-15		Net Additions (in million)
	No of Subscribers (in millions)	Market Share (%)	No of Subscribers (in millions)	Market Share (%)	
Bharti	226.02	24.63	230.66	24.78	4.64
Vodafone	183.80	20.03	185.38	19.91	1.58
Idea	157.81	17.20	162.08	17.41	4.27
BSNL	75.24	8.20	75.99	8.16	0.75
Reliance Comm. Group	82.43	8.98	83.09	8.93	0.66
Aircel	81.40	8.87	83.05	8.92	1.65
Tata	52.13	5.68	48.66	5.23	-3.48
Telewings	45.62	4.97	48.13	5.17	2.51
Videocon	7.13	0.78	7.61	0.82	0.48
MTNL	3.42	0.37	3.46	0.37	0.04
Quadrant	2.73	0.30	2.80	0.30	0.08
Total	917.73	100	930.92	100	13.19

1.22 There has been a net increase of 13.19 million GSM subscribers during the quarter ending Jun-15.

CDMA Services

1.23 The CDMA subscriber base declined from 52.16 million at the end of Mar-15 to 49.89 million at the end of Jun-15, thereby showing a decline rate of 4.36%. Reliance Communications Group with 26.82 million subscribers continues to be the largest CDMA mobile operator.

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

Service Provider	Mar-15		Jun-15		Net Addition/ Decline (in million)
	No of Subscribers (in million)	Market Share (%)	No of Subscribers (in million)	Market Share (%)	
Reliance Comm. Group	27.04	51.84	26.82	53.75	-0.23
Tata	14.18	27.19	12.92	25.89	-1.26
Sistema	8.86	16.99	8.70	17.43	-0.17
BSNL	1.98	3.81	1.37	2.74	-0.62
MTNL	0.09	0.17	0.09	0.18	-0.001
Quadrant	0.002	0.004	0.003	0.01	0.001
Total	52.16	100	49.89	100	-2.27

1.24 There has been a net decline of 2.27 million CDMA subscribers during the quarter ending Jun-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 30th June, 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 26.59 million at the end of Mar-15 to 26.15 million at the end of Jun-15 with quarterly declining rate of 1.66%. Overall Wireline Teledensity is 2.08 at the end of this quarter as against 2.12 of the previous quarter.

1.27 Rural subscriber base has shown decline of 4.39%, from 5.12 Million at the end of Mar-15 to 4.90 Million at the end of Jun-15. During the same period, Urban subscription also recorded decline of 1.01%, from 21.47 million to 21.25 million.

Chart 1.9: Wireline Subscriber Base and Teledensity

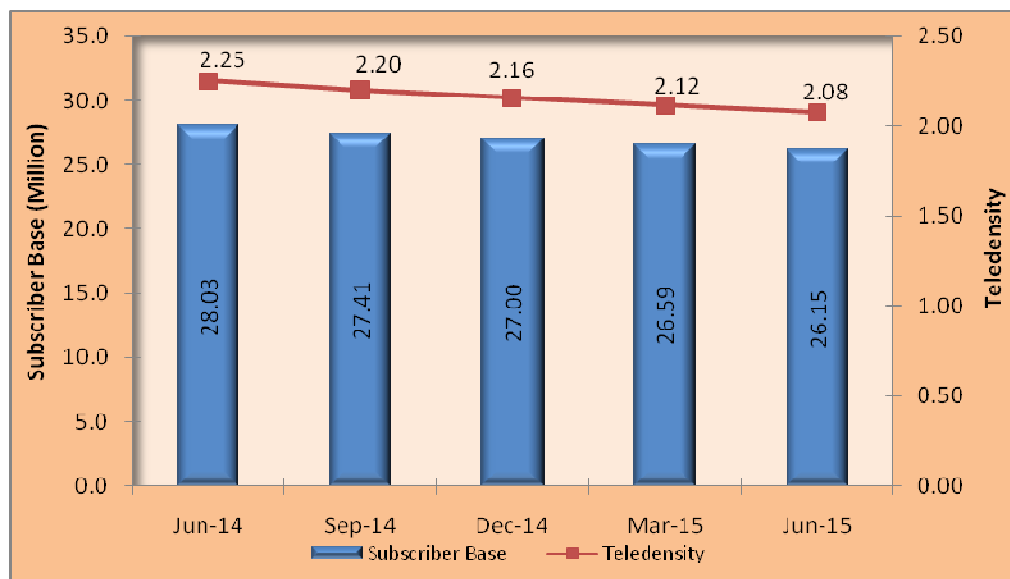


Table 1.17 : Wireline Subscriber Base & Teledensity - Rural & Urban

Quarter ending	Subscriber Base (million)		Teledensity	
	Rural	Urban	Rural	Urban
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
Jun-15	4.90	21.25	0.56	5.45

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

Service Provider	Subscriber Base (million) Jun-15			Share of Rural subscription (%)
	Rural	Urban	Total	
BSNL	4.78	11.16	15.94	30.00
MTNL	-	3.54	3.54	--
Bharti	-	3.44	3.44	--
Reliance	0.002	1.17	1.17	0.15
Tata	0.05	1.64	1.69	2.95
Quadrant	0.06	0.17	0.23	24.29
Sistema	0.01	0.05	0.06	17.16
Vodafone	-	0.08	0.08	--
Total	4.90	21.25	26.15	18.73

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

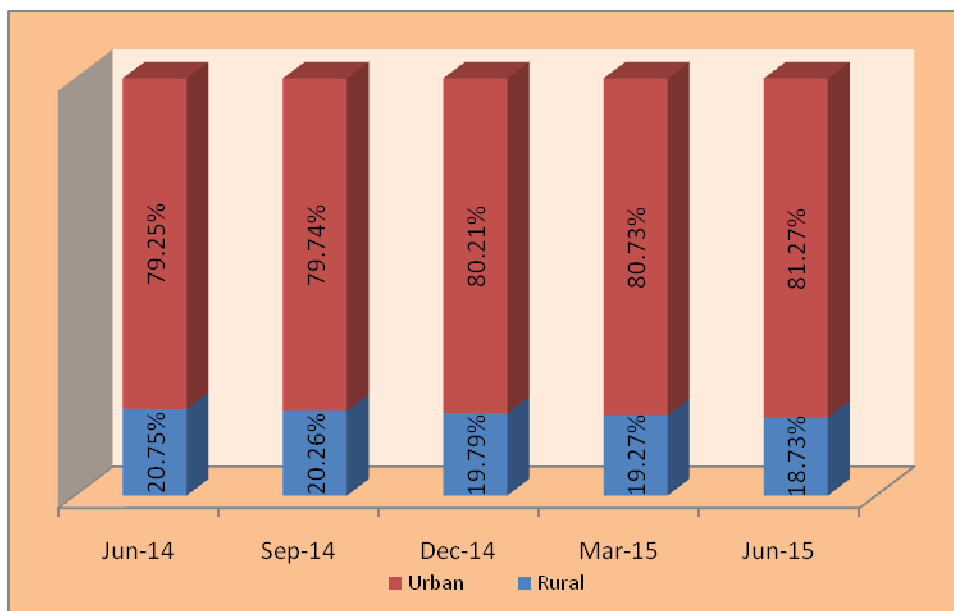


Table 1.19 : Service Provider wise growth in Subscriber base

Service Provider	Subscriber Base (million)			Rate of change (%)	Market share-Mar-15 (%)	Market share-Jun-15 (%)
	Mar-15	Jun-15	Net Addition			
BSNL	16.41	15.94	-0.475	-2.90	61.71	60.94
MTNL	3.55	3.54	-0.016	-0.45	13.35	13.52
Bharti	3.41	3.44	0.033	0.97	12.83	13.17
Tata	1.67	1.69	0.017	1.00	6.29	6.46
Reliance	1.18	1.17	-0.009	-0.73	4.45	4.49
Quadrant	0.23	0.23	0.002	0.91	0.86	0.88
Sistema	0.06	0.06	0.001	1.77	0.21	0.22
Vodafone	0.08	0.08	0.005	5.81	0.30	0.32
Total	26.59	26.15	-0.443	-1.66	100	100

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

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

Service Area	Mar-15	Jun-15	Net Additions (in million)	Rate of Change (%)
Andhra Pradesh	1.87	1.84	-0.032	-1.73
Assam	0.17	0.17	-0.001	-0.34
Bihar	0.36	0.35	-0.011	-3.01
Delhi	3.14	3.15	0.006	0.18
Gujarat	1.55	1.50	-0.054	-3.47
Haryana	0.41	0.40	-0.011	-2.62
Himachal Pradesh	0.21	0.19	-0.017	-8.02
Jammu & Kashmir	0.15	0.14	-0.010	-6.63
Karnataka	2.28	2.27	-0.009	-0.40
Kerala	2.59	2.54	-0.052	-2.01
Madhya Pradesh	1.11	1.07	-0.038	-3.41
Maharashtra	2.12	2.06	-0.054	-2.54
Mumbai	3.06	3.05	-0.015	-0.47
North East	0.13	0.13	-0.001	-0.58
Orissa	0.32	0.32	-0.002	-0.66
Punjab	1.12	1.10	-0.019	-1.71
Rajasthan	0.82	0.81	-0.014	-1.76
T.N. (incl. Chennai)	2.76	2.73	-0.030	-1.10
U.P.(E)	0.51	0.50	-0.016	-3.15
U.P.(W)	0.48	0.47	-0.016	-3.33
Kolkata	1.00	0.99	-0.018	-1.78
W.B.	0.44	0.41	-0.029	-6.66
All India	26.59	26.15	-0.443	-1.66

1.29 Only Delhi service area showed positive growth during the quarter ending Jun-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– Jun-15 (in million)**

Service Area	Total Subs	Rural Subs	Urban Subs	% of Rural Subs
Andhra Pradesh	1.84	0.43	1.40	23.62
Assam	0.17	0.03	0.14	18.53
Bihar	0.35	0.10	0.25	27.46
Delhi	3.15	--	3.15	--
Gujarat	1.50	0.27	1.23	17.94
Haryana	0.40	0.10	0.30	24.59
Himachal Pradesh	0.19	0.13	0.06	67.61
Jammu & Kashmir	0.14	0.02	0.12	14.44
Karnataka	2.27	0.26	2.01	11.34
Kerala	2.54	1.64	0.89	64.76
Madhya Pradesh	1.07	0.15	0.92	13.61
Maharashtra	2.06	0.43	1.63	20.81
Mumbai	3.05	--	3.05	--
North East	0.13	0.03	0.10	22.59
Orissa	0.32	0.08	0.24	24.74
Punjab	1.10	0.33	0.77	29.66
Rajasthan	0.81	0.16	0.65	19.45
T.N. (incl. Chennai)	2.73	0.45	2.28	16.34
U.P.(E)	0.50	0.08	0.42	15.06
U.P.(W)	0.47	0.05	0.41	11.63
Kolkata	0.99	--	0.99	--
W.B.	0.41	0.18	0.23	44.33
All India	26.15	4.90	21.25	18.73

Table 1.22: Service Area wise Wireline Teledensity

Service Area	As on 31 st March, 2015			As on 30 th June, 2015		
	Rural Teledensity	Urban Teledensity	Total Teledensity	Rural Teledensity	Urban Teledensity	Total Teledensity
Andhra Pradesh	0.72	5.78	2.13	0.68	5.72	2.09
Assam	0.11	2.69	0.52	0.11	2.65	0.52
Bihar	0.09	1.38	0.26	0.08	1.34	0.26
Delhi	-	-	15.16	-	-	15.07
Gujarat	0.80	4.81	2.47	0.73	4.68	2.38
Haryana	0.59	3.14	1.50	0.56	3.06	1.45
Himachal Pradesh	2.32	7.78	2.96	2.08	7.56	2.71
Jammu & Kashmir	0.28	3.67	1.21	0.23	3.49	1.13
Karnataka	0.70	8.44	3.68	0.68	8.40	3.66
Kerala	6.34	10.02	7.27	6.18	9.89	7.12
Madhya Pradesh	0.21	3.40	1.08	0.19	3.29	1.04
Maharashtra*	0.73	8.14	4.29	0.68	8.03	4.22
Mumbai*						
North East	0.29	2.84	0.92	0.28	2.83	0.91
Orissa	0.23	3.23	0.75	0.22	3.20	0.75
Punjab	1.95	5.90	3.66	1.88	5.81	3.59
Rajasthan	0.30	3.78	1.14	0.29	3.73	1.12
Tamil Nadu (incl. Chennai)	1.58	5.53	3.90	1.54	5.45	3.85
U.P.(E)*	0.08	1.67	0.44	0.07	1.62	0.43
U.P.(W)*						
Kolkata*	0.30	4.63	1.54	0.27	4.50	1.48
W.B.*						
All India	0.59	5.53	2.12	0.56	5.45	2.08

* 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 7.37 lakh at the end of Mar-15 to 7.02 lakh at the end of Jun-15. Detailed table of service provider wise PCOs is available at Annexure -1.4.

Chart 1.11: Trend of Number of PCOs

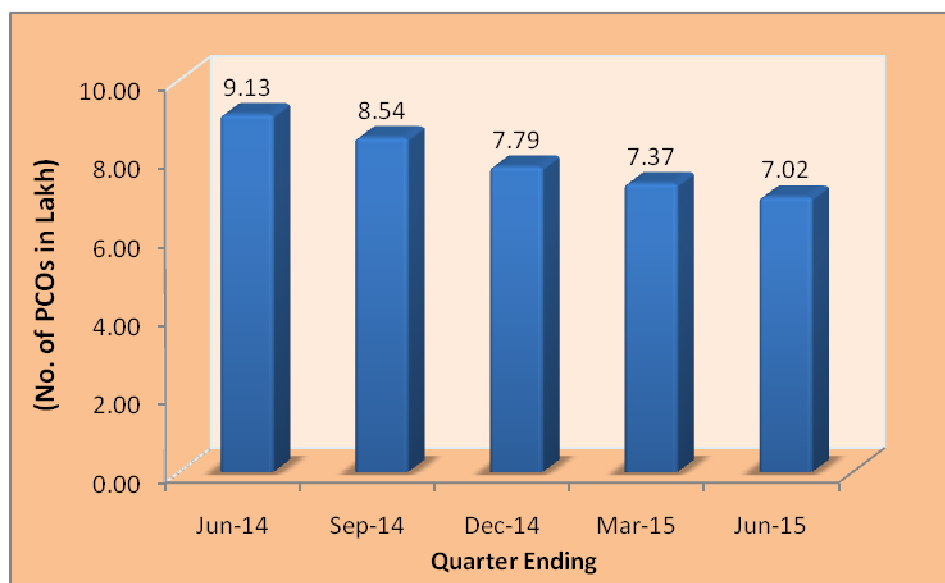


Table 1.23 : Rate of change & Market share of PCOs

Service Provider	Mar-15 (in lakh)	Jun-15 (in lakh)	Rate of change (%)	Market share (%) (Jun-15)
BSNL	4.66	4.39	-5.68	62.59
MTNL	1.39	1.38	-0.74	19.61
Bharti	0.23	0.20	-12.85	2.86
Quadrant	0.03	0.02	-4.83	0.35
Sistema	0.10	0.10	-2.38	1.45
Tata	0.47	0.48	2.43	6.87
Reliance	0.49	0.44	-10.66	6.26
Vodafone	-	-	-	-
Total	7.37	7.02	-4.74	100

1.31 Number of PCOs continued show declining trend. This quarter has recorded a decline of 4.74%. The year-on-year (Y-O-Y) decline rate over the same quarter of the last year is 23.09%.

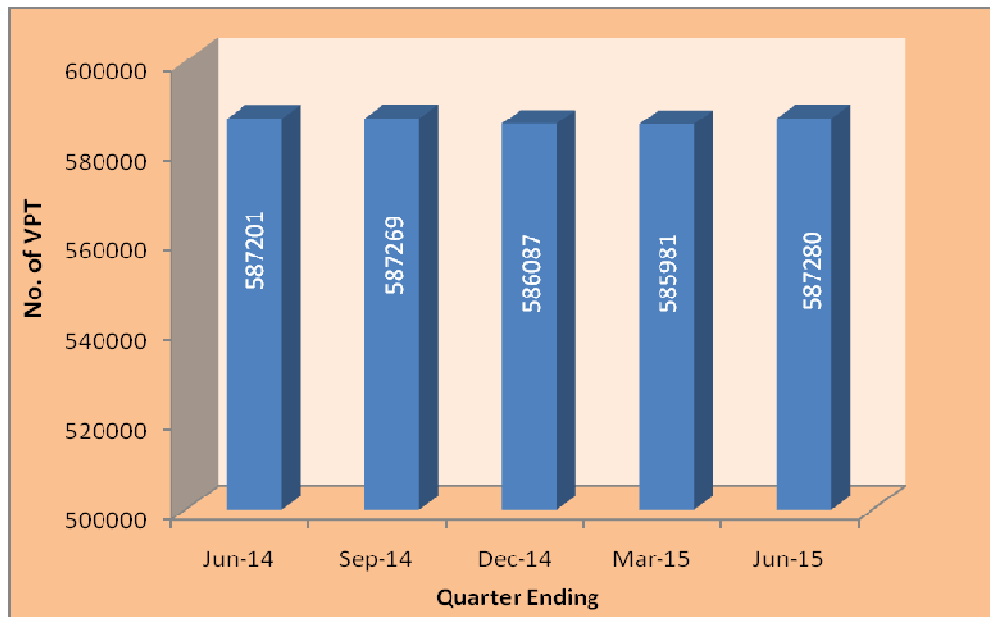
Village Public Telephones (VPTs)

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

1.33 The number of VPTs increased from 5,85,981 at the end of Mar-15 to 5,87,280 at the end of Jun-15.

1.34 BSNL (5,82,482) 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 130 operators for the quarter ending Jun-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 302.35 million at the end of Mar-15 to 319.42 million at the end of Jun-15 with quarterly growth rate of 5.65%.
- 1.37 Wired Internet subscribers increased from 19.07 million at the end of Mar-15 to 19.21 million at the end of Jun-15 with quarterly growth of 0.72%, whereas Wireless Internet subscribers increased from 283.29 million at the end of Mar-15 to 300.22 million at the end of Jun-15 with quarterly growth rate of 5.98%.
- 1.38 Number of Broadband subscribers increased from 99.20 million at the end of Mar-15 to 108.85 million at the end of Jun-15. The number of Narrowband subscribers also increased from 203.15 million at the end of Mar-15 to 210.57 million at the end of Jun-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			
Mar-15	Jun-15	Mar-15	Jun-15	Mar-15	Jun-15	Mar-15	Jun-15	Mar-15	Jun-15	
Broadband	15.52	15.70	0.44	0.45	83.24	92.70	83.68	93.15	99.20	108.85
Narrowband	3.55	3.51	0.03	0.03	199.57	207.04	199.60	207.07	203.15	210.57
Total	19.07	19.21	0.48	0.48	282.81	299.73	283.29	300.22	302.35	319.42

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

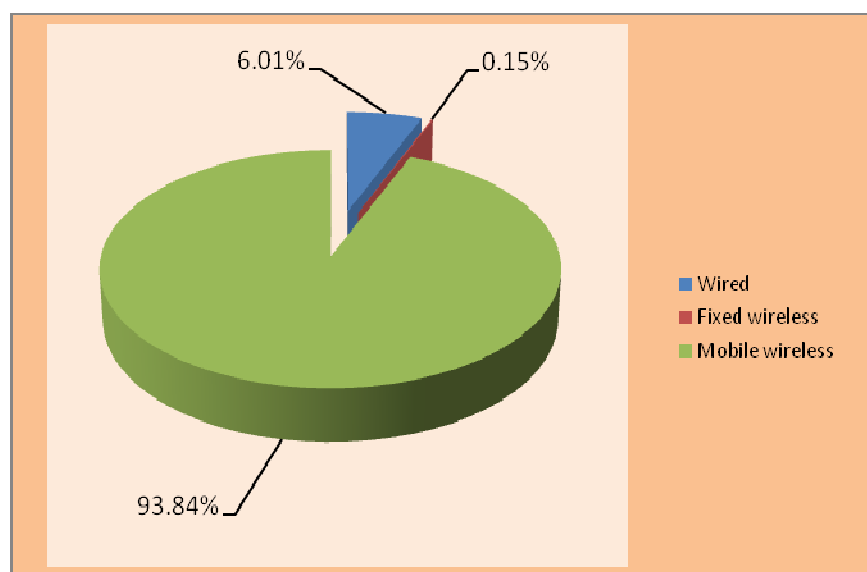
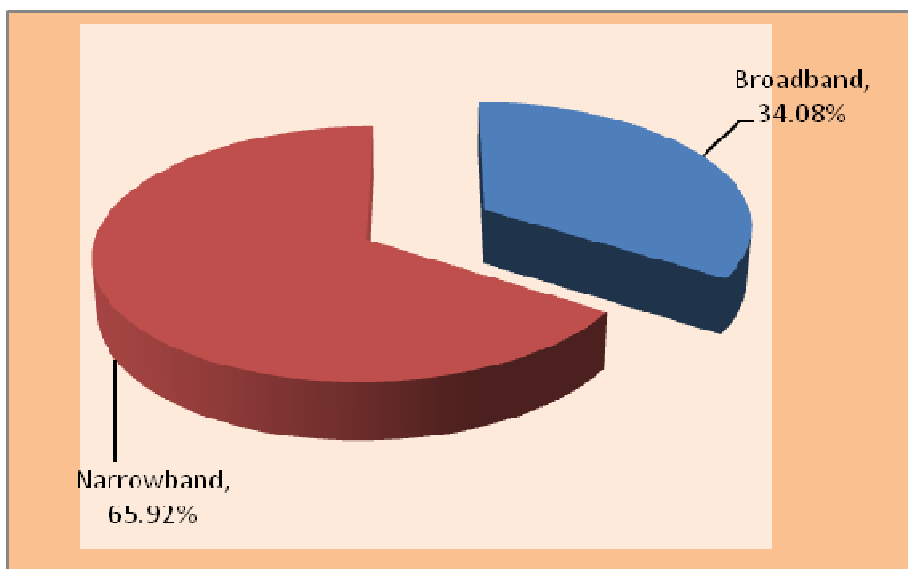


Chart 1.14 : Composition of Broadband & Narrowband subscription



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 Internet (Jun-15)		Total Internet (Mar-15)	
	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban
Andhra Pradesh	6.43	8.61	2.44	5.92	8.87	14.53	8.15	13.97
Assam	2.97	1.68	0.51	0.73	3.48	2.41	3.25	2.23
Bihar	7.43	7.23	1.21	2.17	8.64	9.40	7.94	8.64
Delhi	0.61	8.72	0.44	9.62	1.05	18.34	1.01	17.48
Gujarat	4.89	7.82	1.48	6.09	6.37	13.91	6.46	12.99
Haryana	2.53	2.44	0.60	1.83	3.13	4.27	3.16	3.98
Himachal Pradesh	1.19	0.65	0.55	0.33	1.74	0.98	1.64	0.94
Jammu & Kashmir	1.34	1.03	0.47	0.68	1.81	1.72	1.79	1.55
Karnataka	4.06	7.83	1.56	7.53	5.62	15.36	5.32	14.74
Kerala	3.56	3.43	2.60	3.92	6.17	7.35	5.93	7.03
Kolkata	0.29	4.97	0.23	2.97	0.52	7.94	0.44	7.59
Madhya Pradesh	5.90	6.81	0.50	4.95	6.40	11.76	5.71	10.87

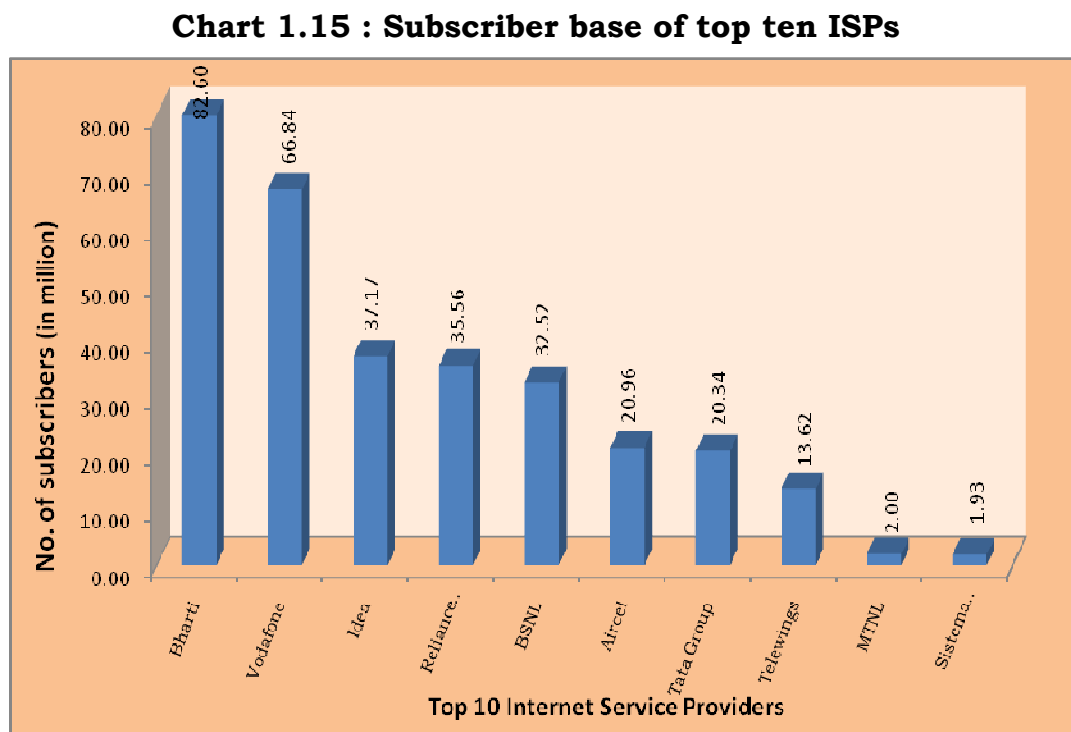
Telecom Service Area	Narrowband		Broadband		Total Internet (Jun-15)		Total Internet (Mar-15)	
	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban
Maharashtra	7.78	8.84	1.92	8.05	9.70	16.88	9.20	16.41
Mumbai	0.15	7.06	0.10	7.50	0.25	14.55	0.25	14.25
North East	1.64	1.25	0.38	0.56	2.02	1.81	1.92	1.65
Orissa	3.40	3.06	0.30	0.95	3.70	4.01	3.52	3.77
Punjab	4.10	4.83	0.61	3.14	4.71	7.97	4.82	8.08
Rajasthan	6.33	6.02	1.47	2.86	7.80	8.88	7.30	8.46
Tamil Nadu	4.61	10.44	2.57	8.50	7.18	18.94	6.52	17.62
Uttar Pradesh(East)	10.66	7.70	1.04	2.51	11.70	10.21	10.66	9.73
Uttar Pradesh(West)	5.31	5.91	0.76	3.06	6.08	8.96	5.68	8.42
West Bengal	5.97	3.11	1.54	1.67	7.51	4.79	6.89	4.39
Total	91.15	119.42	23.29	85.56	114.44	204.98	107.57	194.79

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

S.No	ISP	Subs	Share (%)
1	Bharti	82598436	25.86
2	Vodafone	66835823	20.92
3	Idea	37167319	11.64
4	Reliance Communication Group	35557805	11.13
5	BSNL	32518884	10.18
6	Aircel	20962542	6.56
7	Tata Group	20344572	6.37
8	Telewings	13621889	4.26
9	MTNL	1998227	0.63
10	Sistema Shyam	1928210	0.60
	Total of Top 10 ISPs	313,533,707	98.16
	Others	5,890,358	1.84
	Grand Total	319,424,065	100

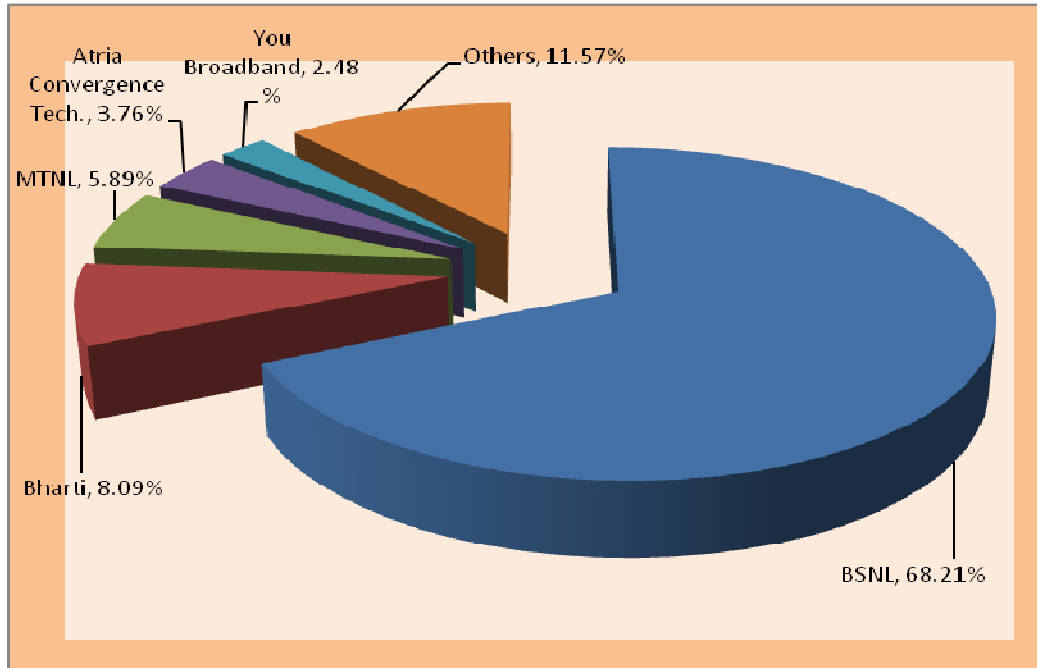
1.41 Bharti holds the top position with 25.86% of market share of internet subscribers followed by Vodafone with 20.92%. Top 10 Service Providers together hold 98.16% of total internet subscriber base. Detailed table of number of subscriber base of all the service providers is available at Annexure-1.6.

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



1.43 In wired internet segment, BSNL holds 68.21% market share with 13.10 million subscribers, followed by Bharti with 1.55 million subscribers. Total number of wired internet subscriber is 19.21 million at the end of Jun-15.

Chart 1.16 : Composition of Wired Internet subscribers



1.44 In wireless internet segment, Bharti holds 27.00% market share with 81.04 million subscribers followed by Vodafone (66.83 million internet subscribers).

Chart 1.17 : Composition of Wireless Internet subscription

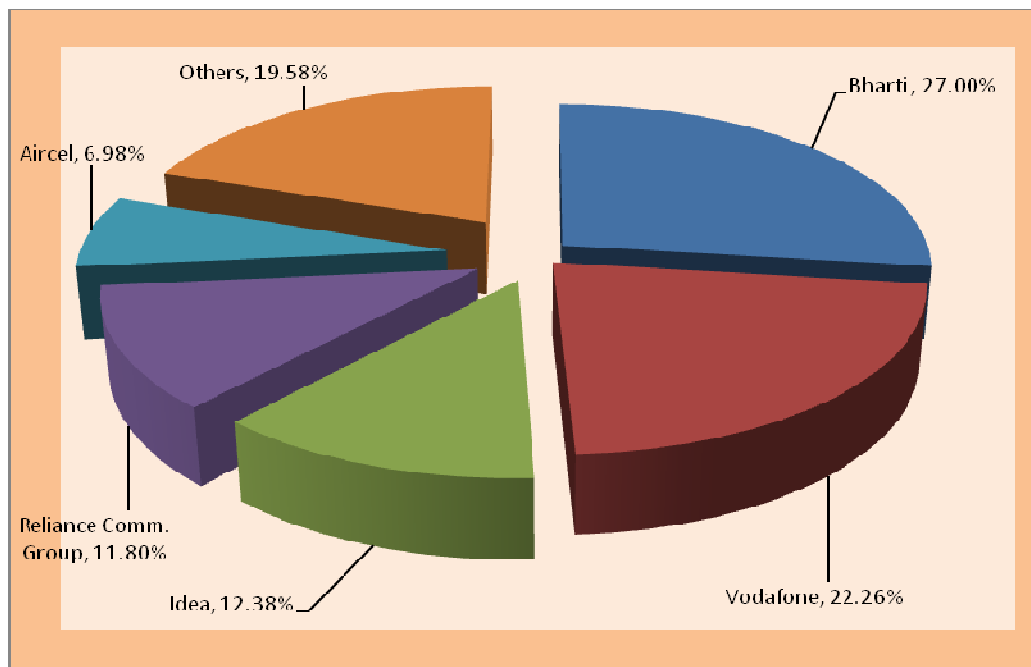


Chart 1.18 : Technology trend for Wireless Internet Access – Jun-15

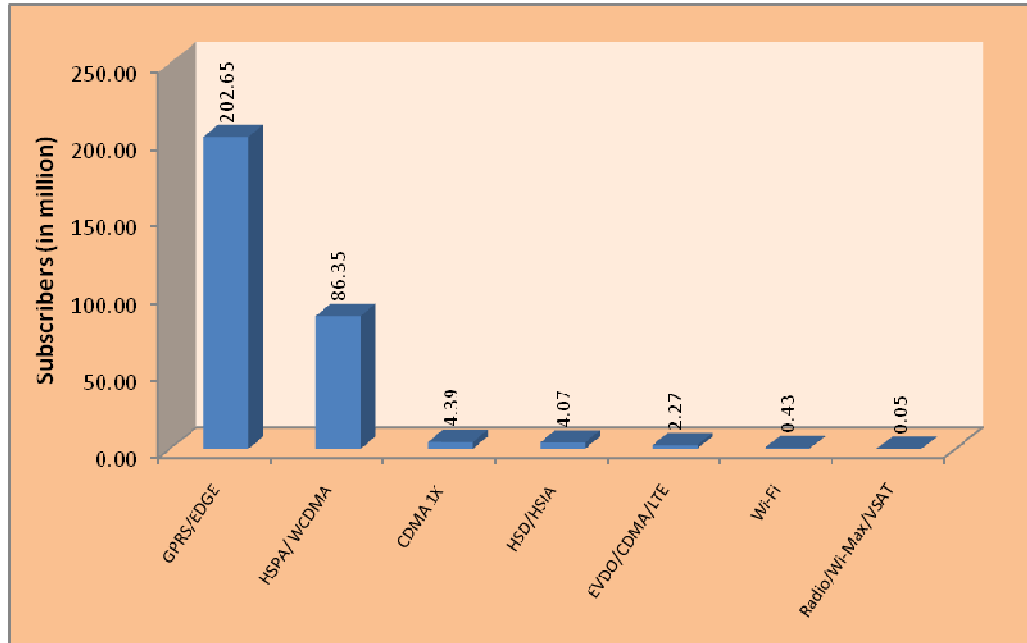
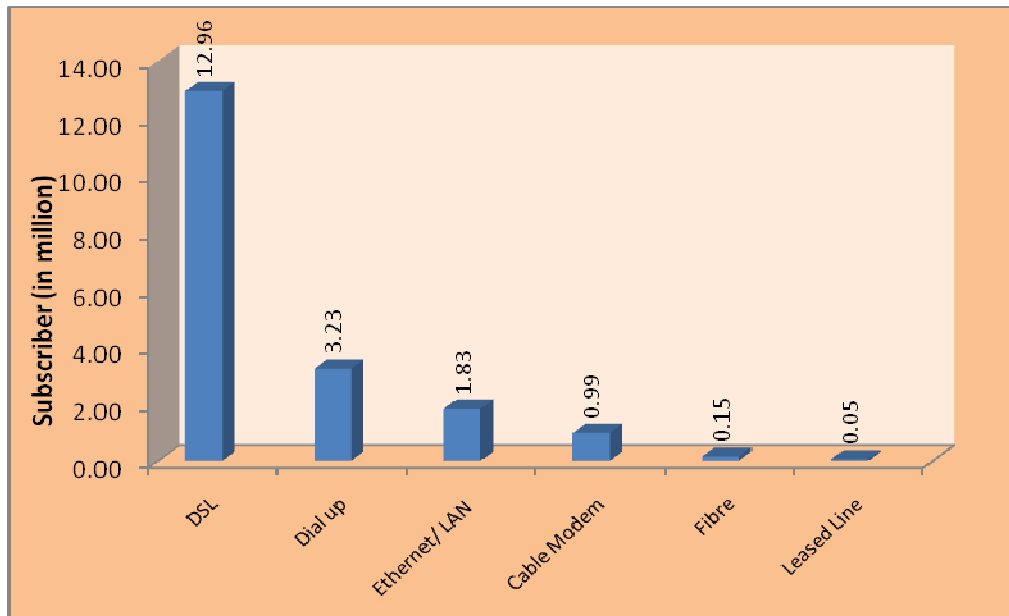


Chart 1.19 : Technology trend for Wired Internet Access – Jun-15



1.45 Top five service areas in terms of internet subscriptions (wired + wireless) are Maharashtra (26.58 million), Tamil Nadu including Chennai (26.11 million), Andhra Pradesh (23.41 million), U.P.(E) (21.91 million) and Karnataka (20.98 million).

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

Service Area	Internet Subscribers (in million)			Internet subscribers per 100 population		
	Rural	Urban	Total	Rural	Urban	Total
Andhra Pradesh	8.87	14.53	23.41	14.00	59.27	26.63
Assam	3.48	2.41	5.89	12.87	47.04	18.31
Bihar	8.64	9.40	18.04	7.34	50.00	13.22
Delhi	-	-	19.39	-	-	92.88
Gujarat	6.37	13.91	20.28	17.32	52.94	32.16
Haryana	3.13	4.27	7.40	17.90	43.83	27.18
Himachal Pradesh	1.74	0.98	2.72	27.88	120.03	38.59
Jammu & Kashmir	1.81	1.72	3.53	20.32	50.23	28.61
Karnataka	5.62	15.36	20.98	14.78	64.15	33.85
Kerala	6.17	7.35	13.52	23.19	81.37	37.95
Madhya Pradesh	6.40	11.76	18.16	8.57	41.92	17.67
Maharashtra	9.70	16.88	26.58	15.85	53.92	34.18
Mumbai	0.25	14.55	14.81			
North East	2.02	1.81	3.82	19.45	52.15	27.63
Orissa	3.70	4.01	7.71	10.62	54.00	18.25
Punjab	4.71	7.97	12.68	27.15	59.77	41.33
Rajasthan	7.80	8.88	16.68	14.22	50.92	23.08
Tamil Nadu	7.18	18.94	26.11	24.80	45.24	36.89
UP (East)	11.70	10.21	21.91	10.17	37.16	16.32
UP (West)	6.08	8.96	15.04			
Kolkata	0.52	7.94	8.46	11.96	47.11	22.04
West Bengal	7.51	4.79	12.30			
Total	114.44	204.98	319.42	13.17	52.52	25.37

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

Notes:

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

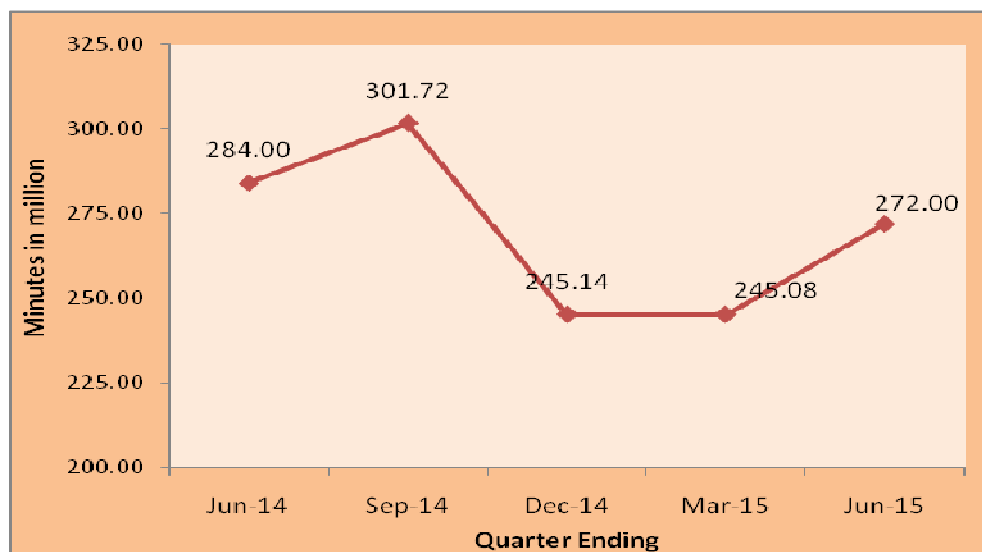
ISP Connectivity

1.46 The International Internet bandwidth owned by various service providers is reported to be 1691 GB during the quarter ending Jun-15 as compared to 1559 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 272 million during the Q.E. Jun-15. List of these Internet Telephony Service providers is available at Annexure-1.7.

Chart 1.20 : Trends in MOU for Internet Telephony

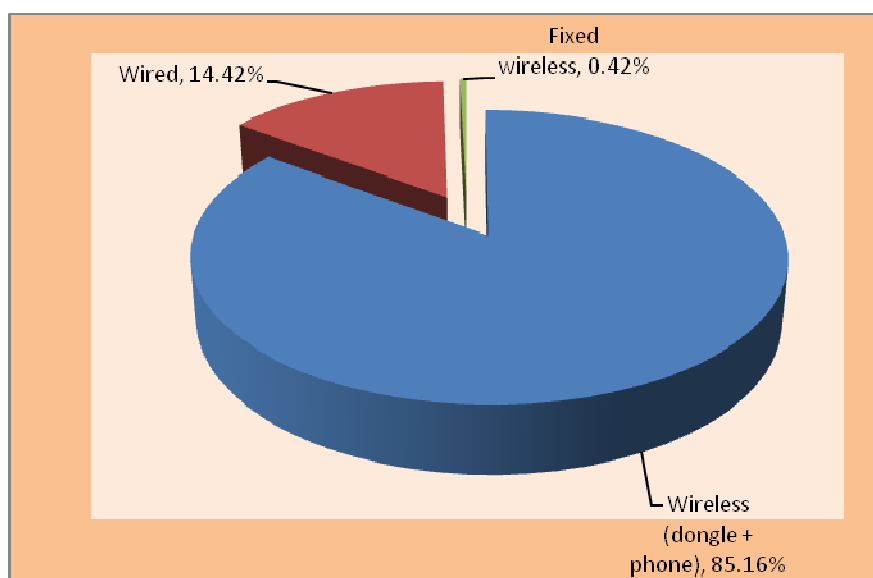


Part-II : Broadband Service (Download Speed \geq 512 Kbps)

1.48 The total number of broadband subscribers increased from 99.20 million at the end of Mar-15 to 108.85 million at the end of Jun-15. Out of which wired broadband subscribers are 15.70 million and wireless broadband subscribers are 93.15 million.

- 1.49 Top five broadband (wired+wireless) service providers in term of subscribers are Bharti (24.56 million), Vodafone (22.08 million), BSNL (18.20 million), Idea (16.67 million) and Reliance Communications Group (9.74 million).
- 1.50 In wired broadband segment, BSNL holds 63.09% market share with 9.91 million subscribers followed by Bharti with 1.47 million and MTNL with 1.13 million subscribers.
- 1.51 In wireless broadband segment, Bharti holds 24.79% market share with 23.09 million subscribers followed by Vodafone with 22.07 million (23.69%) and Idea Cellular with 16.67 million subscribers.
- 1.52 Top five service areas in respect of broadband subscriptions are Tamil Nadu including Chennai (11.07 million), Delhi (10.07 million), Maharashtra (9.96 million), Karnataka (9.09 million) and Andhra Pradesh (8.36 million).

Chart 1.21 : Composition of Broadband subscription – Technology wise

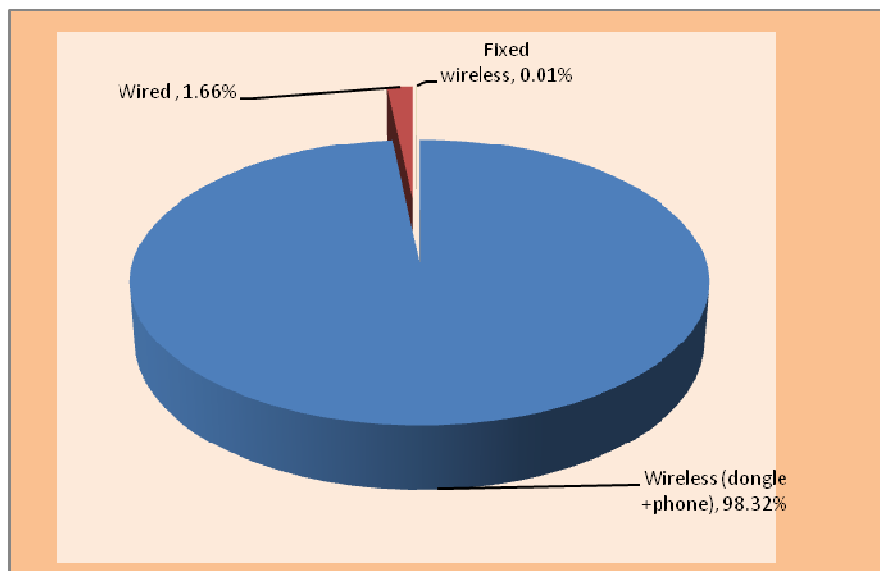


- 1.53 Mobile Device Users (dongle + phone) constitute 85.16% of total broadband subscribers.

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

- 1.54 Total number of narrowband subscribers increased from 203.15 million at the end of Mar-15 to 210.57 million at the end of Jun-15. Out of which Wired Narrowband subscribers are 3.51 million and Wireless Narrowband subscribers are 207.07 million.
- 1.55 The top five narrowband (wired + wireless) service providers in term of subscriber base are Bharti (58.04 million), Vodafone (44.76 million), Reliance Communications Group (25.82 million), Idea Cellular (20.50 million) and Aircel (17.54 million).
- 1.56 In wired narrowband segment, BSNL holds 91.14% market share with 3.19 million subscribers followed by Bharti (0.09 million) and Tata (0.05 million).
- 1.57 In wireless narrowband segment, Bharti holds 27.99% market share with 57.95 million subscribers followed by Vodafone (44.76 million) and Reliance Communications Group (25.80 million).

Chart 1.22 : Composition of Narrowband subscription – Technology wise



Section E : Other Value Added Services - PMRTS & VSAT

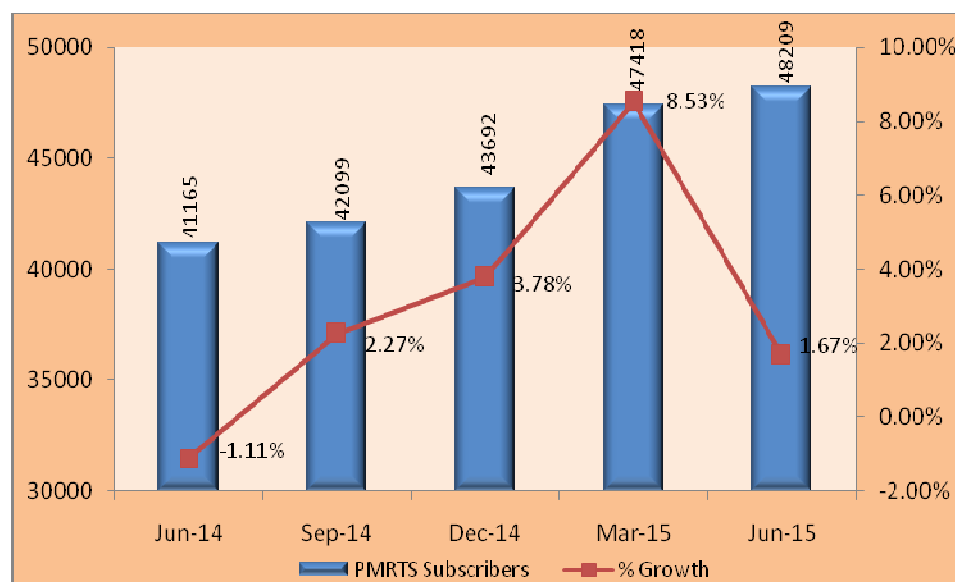
Public Mobile Radio Trunk Services (PMRTS)

1.58 The subscriber base of PMRTS increased from 47,408 at the end of Mar-15 to 48,209 at the end of Jun-15 with quarterly growth rate of 1.67%.

Table 1.28 : PMRTS Subscriber base - Service Provider wise

Sr. No.	Name of the Service Provider	Subscriber Base as on 31.03.2015	Subscriber Base as on 30.06.2015	Growth in Subscribers	%age in Market Share as on 30.06.2015
1	Arya Omnitalk Radio Trunking Services Pvt. Ltd.	43598	44465	867	1.99%
2	Procall Ltd.	0	695	695	-
3	QuickCall	2000	1229	-771	-38.55%
4	Inative Networks Pvt Ltd	1820	1820	0	0.00%
5	Total	47,418	48,209	791	1.67%

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 2,36,334 at the end of Mar-15 to 2,45,133 at the end of Jun-15. Net addition during the quarter has been 8,799 at the quarterly growth rate of 3.72%.

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

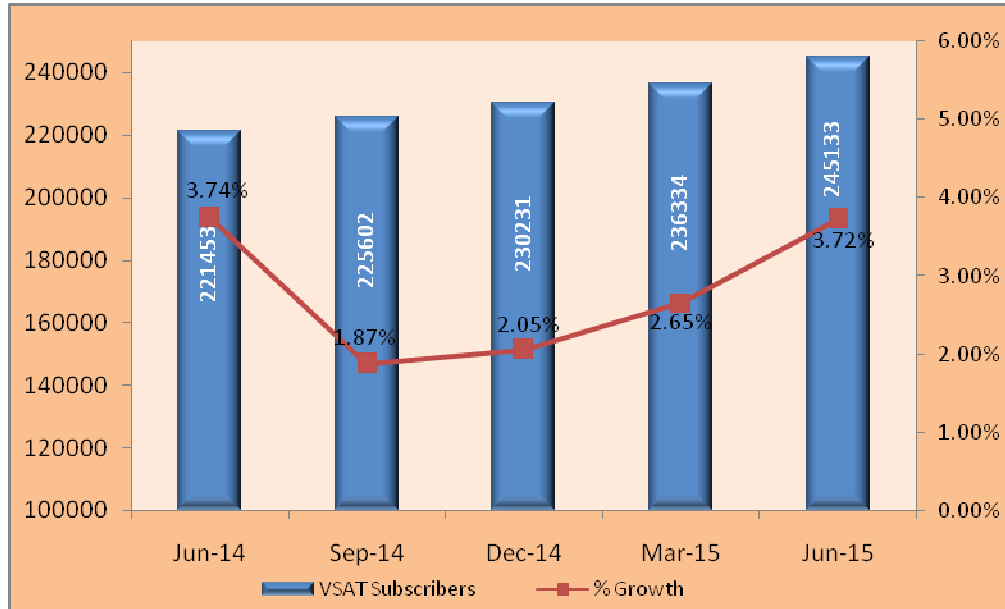
Sr. No	Name of Service Providers	Subscriber base at the Quarter ending		%age Growth	Market Share (%) Jun-15
		Mar-15	Jun-15		
1	Hughes Communications Ltd.	102606	104430	1.78	42.60
2	Bharti Airtel Limited	55547	56167	1.12	22.91
3	Tatanet Services Ltd	35996	41498	15.29	16.93
4	HCL Comnet	20572	20446	-0.61	8.34
5	BSNL	17618	18309	3.92	7.47
6	National Informatics Centre Services Incorporated (NICS I)	2243	2465	9.90	1.01
7	Infotel Satcom	1588	1654	4.16	0.67
8	Essel Shyam	164	164	0.00	0.07
	Total	236334	245133	3.72	100

1.61 Hughes Communication Limited continues to be the market leader with subscriber base of 1,04,430 followed by Bharti Airtel Ltd (56,167) at the end of Jun-15.

1.62 M/s Tatanet Service Limited has recorded maximum growth rate of 15.29% followed by M/s NICS I (9.90%). HCL Comnet shown negative growth (-0.61%) during this quarter.

1.63 The following chart depicts the trend of VSAT subscriber base and its quarterly growth rate.

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



Chapter 2 :

Revenue and Usage

-
- For all the parameters, Metros indicate data for Delhi, Mumbai & Kolkata. Data for Chennai service area has been included in Circle A, as part of TN.
 - ARPU arrived after adjusting interconnect usage charges and roaming settlement charges.
 - The data contained in the section A & B covers the licensees, who have been providing service during the entire period from 1st April, 2015 to 30th June, 2015 in the various service areas.

Section A: GSM Service

Table 2.1: Key Indicators - GSM Service

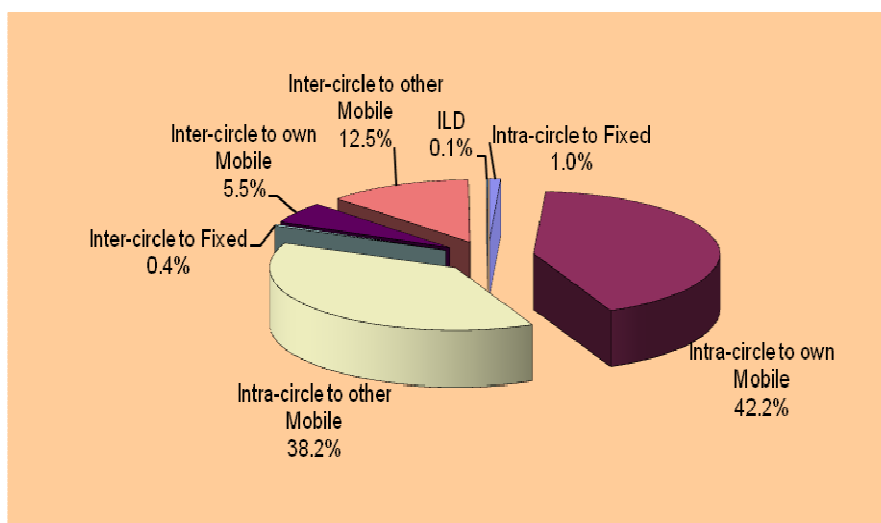
Parameter	Q.E. Jun-15	Q.E. Mar-15	Q.E. Jun-14	QoQ %age change over Dec-14	YoY %age change over Mar-14
Subscriber Base# (million)	930.88	917.73	858.88	1.43%	8.38%
Share of Prepaid (%)	95.57%	95.65%	95.89%	-0.08%	-0.33%
Incoming MOU* per subscriber per month	200	197	201	1.67%	-0.42%
Outgoing MOU* per subscriber per month	188	186	189	1.39%	-0.51%
No. of Outgoing SMS per subscriber per month	22	24	25	-6.10%	-11.90%
Average Revenue Per User (ARPU) per month	126	121	119	4.35%	5.88%

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

* Minutes of Usage

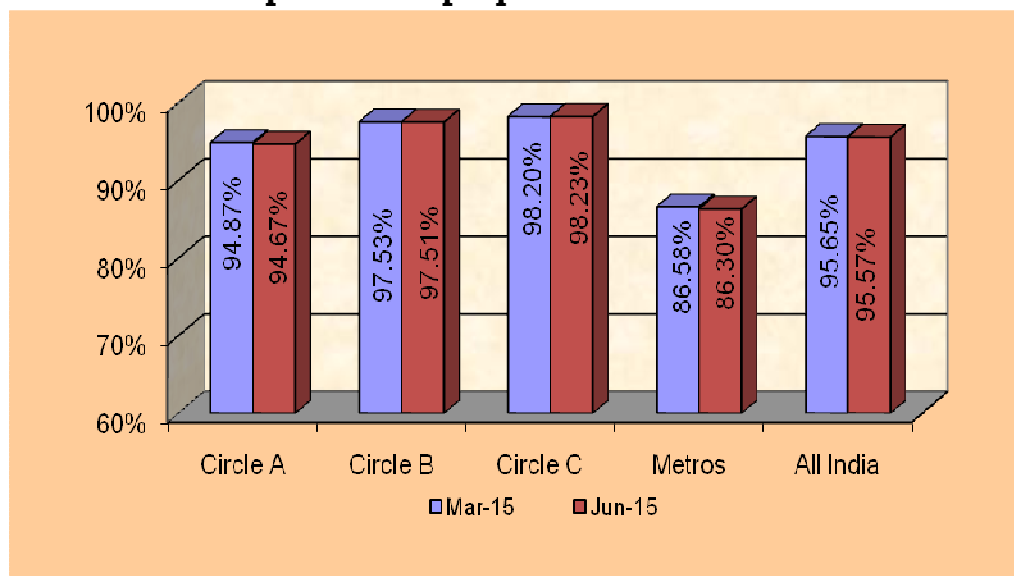
2.1 The following chart presents % break-up of outgoing minutes from Home Service Area (HSA) in the QE Jun-15.

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 95.65% at the end of Mar-15 to 95.57% at the end of Jun-15.

2.4 The ARPU per month (all India, blended) increased from Rs.121 in Q.E. Mar-15 to Rs.126 in Q.E. Jun-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. June, 2015 (in Rs)		
	Post-paid	Pre-paid	Blended
Circle A	495	116	136
Circle B	479	105	114
Circle C	486	99	106
Metros	529	116	172
All India	501	109	126
All private SPs	507	109	127
BSNL/MTNL	429	105	119

2.5 The ARPU per month for pre-paid segment increased from Rs.105 in QE Mar-15 to Rs.109 in QE Jun-15 and the ARPU per month for post-paid segment also increased from Rs.474 in QE Mar-15 to Rs.501 in QE Jun-15.

2.6 The following table presents the composition of ARPU per month in the QE Jun-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	21.95	16.6
1.2.	Revenue from calls	67.38	50.8
1.3.	Revenue from SMS	3.21	2.4
1.4.	Revenue from data usage	25.05	18.9
1.5.	Revenue from other VAS	5.55	4.2
1.6.	Other revenue	2.18	1.6
2	Usage outside Home Service Area		
2.1.	Revenue from outroamers	7.25	5.5
3	Total revenue from subscribers (1+2)	132.57	100
4	Net inter-operator settlement charges receivable *	-6.64	
5	Net Revenue (ARPU) per month(3+4)	125.93	

* 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.6.64) accounts for 5.0% 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 383 in QE Mar-15 to 388 in QE Jun-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	565	404	969	168	171	339	189	183	372
Circle B	572	381	952	167	200	367	177	205	381
Circle C	564	385	950	177	231	408	184	233	417
Metro	527	350	877	195	169	364	240	194	434
All India	555	382	937	171	192	363	188	200	388

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

2.10 The overall ratio of incoming MOU and outgoing MOUs for the QE Jun-15 is 51.5 : 48.5.

2.11 No. of outgoing SMS per subscriber per month decreased from 24 in Q.E. Mar-15 to 22 in Q.E. Jun-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	66	28	30
Circle B	53	17	18
Circle C	30	12	13
Metro	60	21	27
All India	59	21	22

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

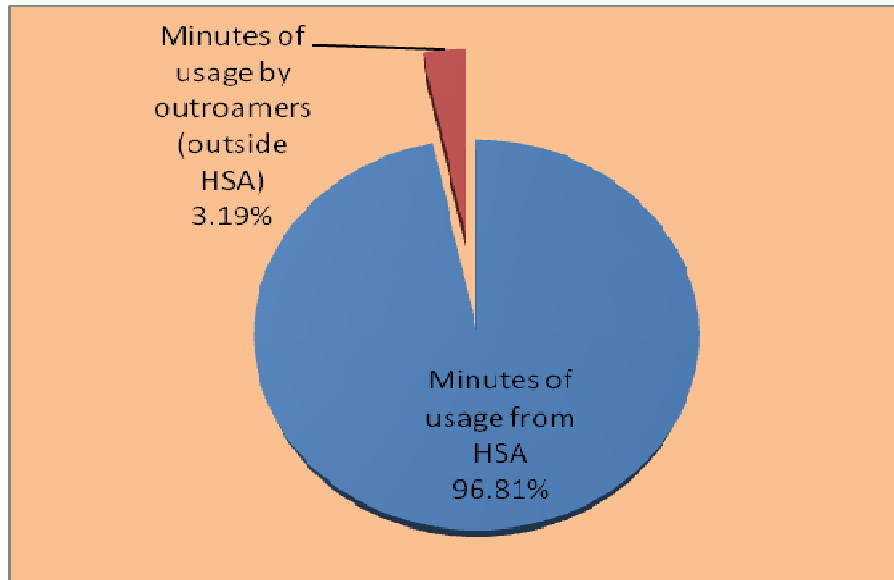
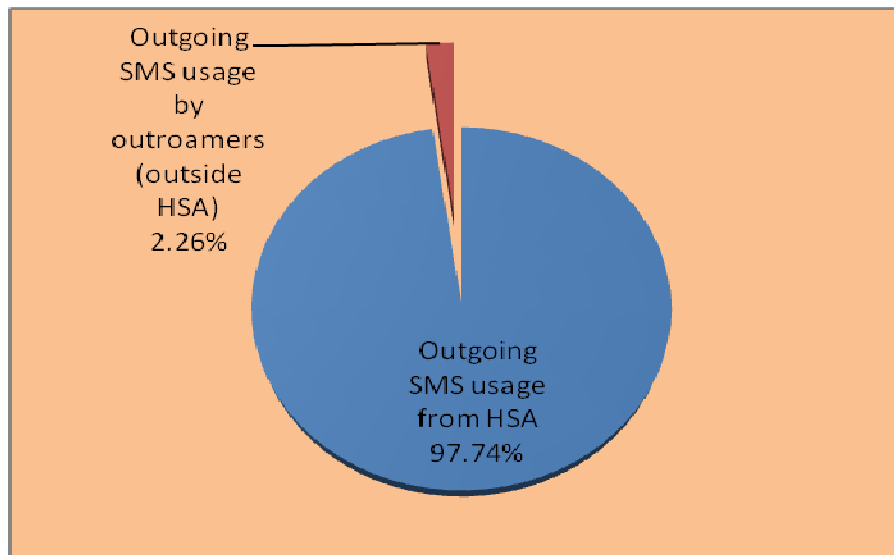


Chart 2.4: Outgoing SMS Usage by Out-roamers as a % of Total No. of Outgoing SMS Usage



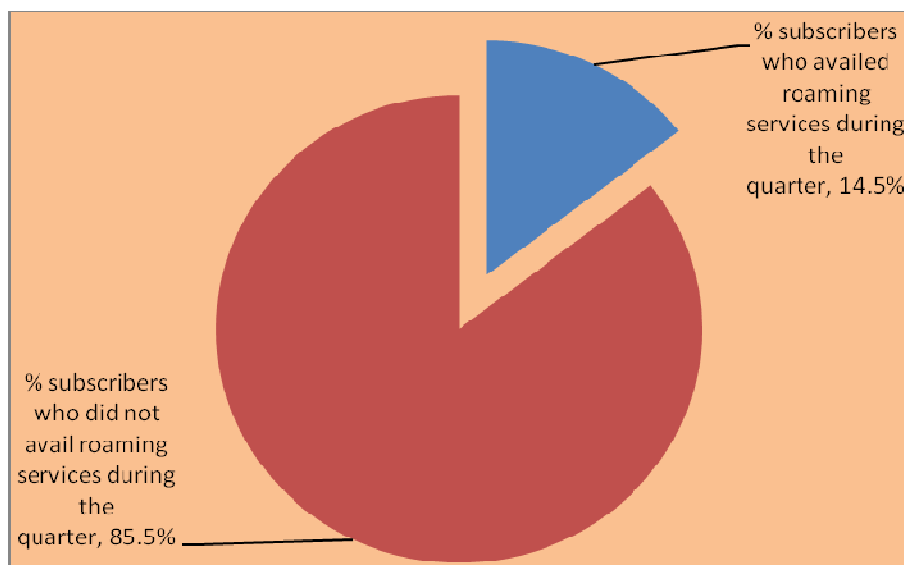
2.12 The following table presents the percentage break-up of outgoing minutes of usage from home service area between various categories of termination networks.

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	1.25	39.47	42.66	0.30	4.56	11.64	0.12
Circle B	0.76	46.76	36.87	0.35	5.11	10.05	0.09
Circle C	0.38	51.16	34.01	0.27	4.57	9.55	0.05
Metros	1.84	24.09	34.31	0.70	11.28	27.47	0.29
All India	1.00	42.22	38.22	0.36	5.54	12.54	0.12

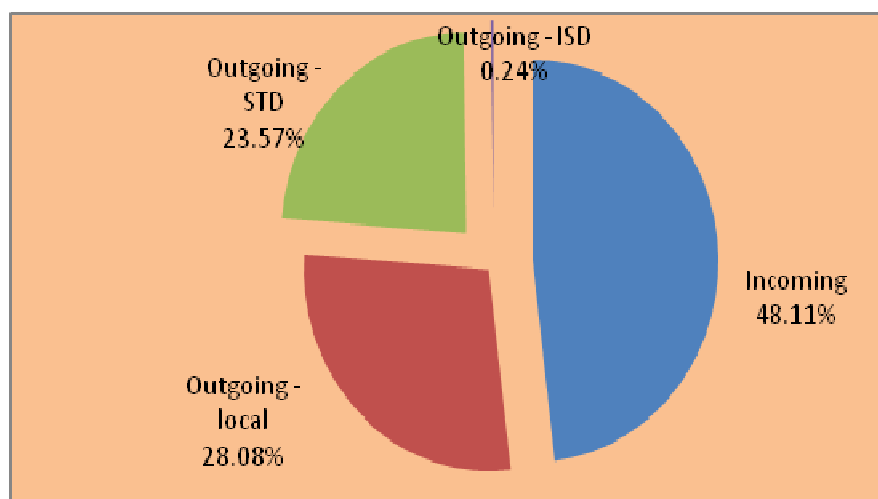
2.13 The chart given below presents the percentage of subscribers who availed roaming services (out-roamers) during the quarter ending Jun-15.

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 48.11% of the total minutes of usage by out-roamers in QE Jun-15 as against 47.72% in the previous quarter. The chart given below presents the break-up of minutes of usage of out-roamers during the QE Jun-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)

2.15 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.

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	0.53	0.52	0.52
Circle B	0.51	0.46	0.47
Circle C	0.57	0.43	0.44
Metros	0.61	0.52	0.55
All India	0.55	0.48	0.49

2.16 All India average subscriber outgo per outgoing minute decreased from ₹ 0.50 in the QE Mar-15 to ₹ 0.49 in the QE Jun-15.

Table 2.8: Trends of Key Parameters - GSM Service

Parameter	Jun-14	Sep-14	Dec-14	Mar-15	Jun-15
1. ARPU (₹ Per month)	119	116	118	121	126
2. MOU per subscriber per month	390	376	376	383	388
3. Outgoing MOU per subscriber per month					
3.1 Local (Intra-circle)	153	146	146	149	152
3.2 NLD (inter-circle)	36	36	36	36	37
3.3 ILD	0.3	0.3	0.3	0.2	0.2
4. No. of Outgoing SMS per subscriber per month	25	24	25	24	22
5. Average subscriber Outgo per outgoing minute from HSA (₹)	0.51	0.50	0.51	0.50	0.49

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

Section B: CDMA - Full Mobility Service

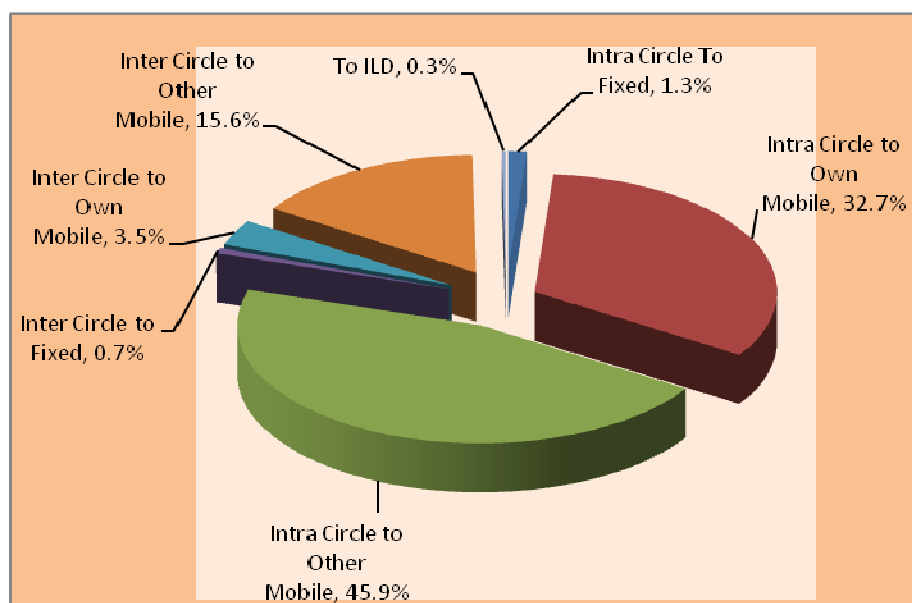
Table 2.9: Key Indicators - CDMA Full Mobility Service

Parameters	QE Jun-15	QE Mar-15	QE Jun-14	QoQ change (%)	YoY change (%)
Subscriber Base in Millions*	40.65	42.17	45.06	-3.60%	-9.79%
Share of Prepaid (%)	88.7%	88.7%	89.0%	0.03%	-0.35%
Incoming MOUs per subscriber per month	118.26	120.82	136.31	-2.12%	-13.24%
Outgoing MOUs per subscriber per month	144.78	144.34	146.57	0.30%	-1.23%
Outgoing SMS per subs per month	9.49	10.70	16.73	-11.34%	-43.28%
ARPU (Rs. per month)	107.02	108.21	111.51	-1.10%	-4.02%

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

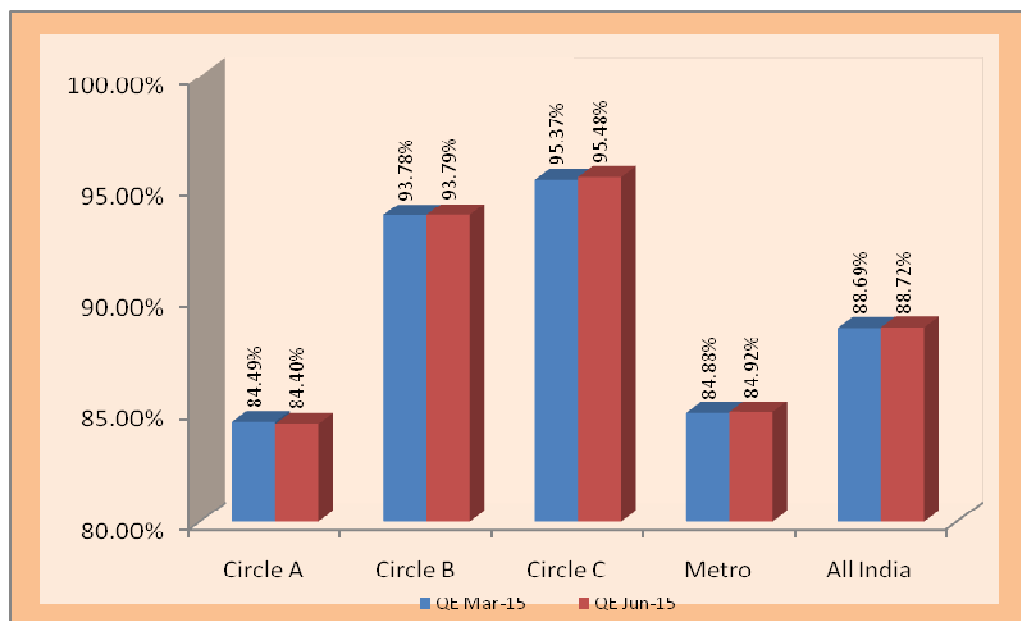
2.18 The following chart depicts % break-up of outgoing minutes from home service area (HSA).

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



2.19 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



2.20 Market share of Prepaid segment increased from 88.69% in QE Mar-15 to 88.72% in QE Jun-15.

2.21 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	465	70	132
Circle B	452	51	76
Circle C	430	37	55
Metro	580	55	135
All India	506	56	107

2.22 The All India blended Average Revenue Per User (ARPU) per month has shown a decrease of 1.10% from Rs.108.21 in QE Mar-15 to Rs.107.02 in QE Jun-15.

2.23 ARPU for Prepaid service decreased by 4.56% from Rs.58.46 in QE Mar-15 to Rs.55.79 in QE Jun-15. ARPU for Postpaid service increased by 1.08% from Rs.501.00 in QE Dec-14 to Rs.506.42 in QE Jun-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	21.71	18.12
1.2	Revenue from Calls	37.50	31.29
1.3	Revenue from SMS#	0.96	0.80
1.4	Revenue from data usage	48.93	40.82
1.5	Revenue from other VAS	2.59	2.16
1.6	Other Revenue#	6.05	5.05
2	Usage Outside Home Service Area		
2.1	Revenue from Out-roamers	2.12	1.77
3	Total Revenue from Subscribers (1+2)	119.87	100
4	Net inter-operator settlement charges receivable*	-12.85	
5	Net Revenue (ARPU) (3+4)	107.02	

* Includes Interconnect Usage Charges and roaming settlement charges

Based on the revised information for the QE March-15 furnished by the Service Providers, the Item 1.3 (Revenue from SMS) and Item 1.6 (Other Revenue) for the QE March-15 have been revised to Rs. 1.15 (in place of Rs.3.15) and Rs. 5.03 (in place of Rs. 3.03) respectively.

2.24 From the above table, it may be seen that the net inter-operator settlement charges payable (Rs.12.85) accounts for 10.72% of total revenue from subscribers.

2.25 Revenue from data usage per subscriber per month (for usage from HSA) increased by 6.83% from Rs.45.80 in QE Mar-15 to Rs.48.93 in QE Jun-15.

2.26 The total MOUs per subscriber per month declined by 0.80%, from 265 in QE Mar-15 to 263 in QE Jun-15. The outgoing MOUs increased by 0.30%, whereas incoming MOUs decreased by 2.12% during this quarter.

2.27 Prepaid MOUs per subscriber per month declined by 0.82%, and postpaid MOUs per subscriber per month declined by 1.23% 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	218	163	380	110	102	212	127	112	238
Circle B	375	257	632	144	126	270	159	134	292
Circle C	699	423	1123	177	138	315	201	151	352
Metro	212	140	352	114	89	203	129	97	226
All India	262	180	442	130	110	240	145	118	263

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

Table 2.13 : Outgoing SMS per subscriber per month in QE Jun-15 – CDMA Full Mobility Service

Category	Outgoing SMS per subscriber month		
	Postpaid	Prepaid	Blended
Category A	8	10	10
Category B	8	11	11
Category C	11	11	11
Metro	6	7	7
All India	7	10	9

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

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

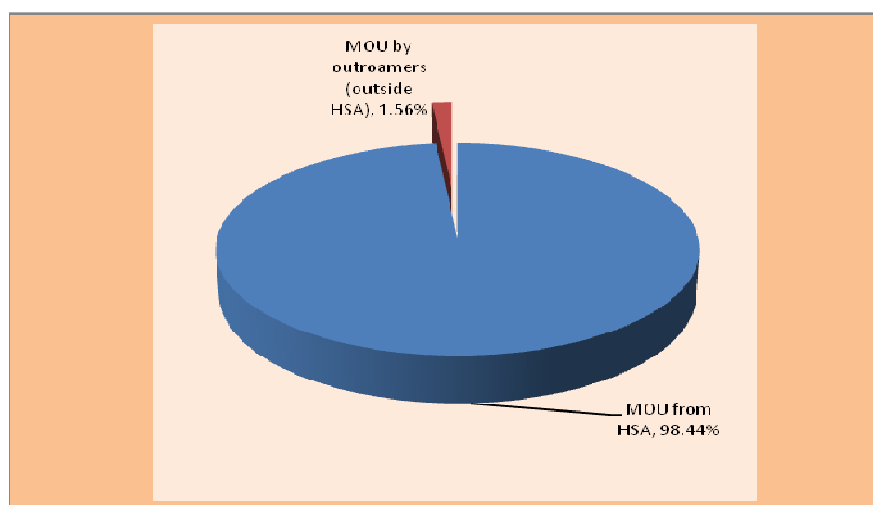


Table 2.14: %Break-up of Outgoing minutes from Home Service Area (HSA) - CDMA Full Mobility Service

Circle	Intra Circle To Wireline (%)	Intra Circle to Own Wireless (%)	Intra Circle to Other Wireless (%)	Inter Circle to Wireline (%)	Inter Circle to Own Wireless(%)	Inter Circle to Other Wireless (%)	ILD (%)
Circle A	1.8	30.7	52.9	0.8	2.4	10.8	0.5
Circle B	0.7	38.6	46.4	0.6	3.3	10.2	0.1
Circle C	0.9	31.1	47.4	1.2	3.3	16.0	0.0
Metro	1.7	26.8	37.8	0.7	5.0	27.7	0.3
All India	1.3	32.7	45.9	0.7	3.5	15.6	0.26

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

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

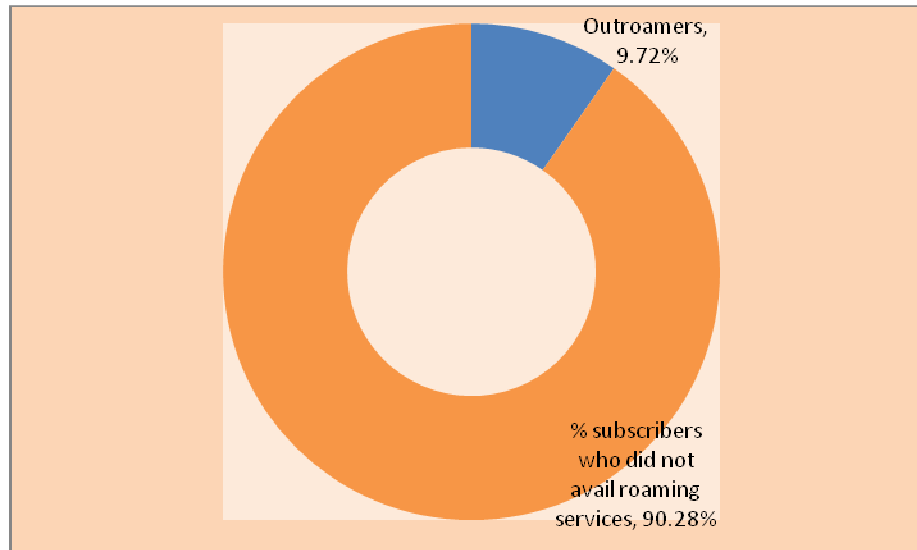


Chart 2.11: Percentage breakup of minutes of usage of Out-roamers (usage from outside the Home Service Area)

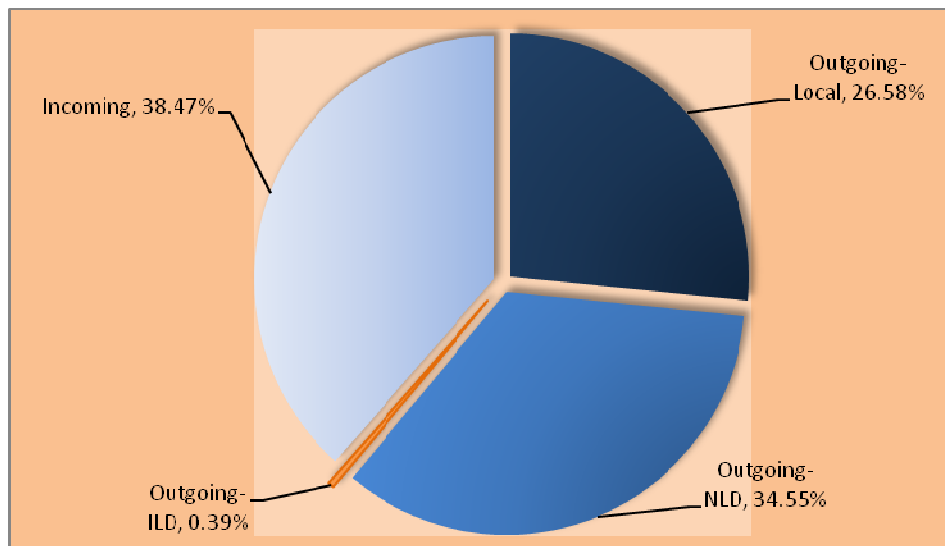


Table 2.15: Average subscriber outgo per outgoing minute from HSA - CDMA Full Mobility Service

Circle Category	[₹ Per min]		
	Postpaid	Prepaid	Blended
Circle A	0.91	0.37	0.52
Circle B	0.55	0.26	0.30
Circle C	0.45	0.24	0.27
Metros	1.06	0.38	0.55
All India	0.82	0.31	0.42

Average Subscriber Outgo per Outgoing Minute for usage from HSA =

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

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

Parameter	Jun-14	Sep-14	Dec-14	Mar-15	Jun-15
1. ARPU (₹ Per month)	112	110	109	108	107
2. MOU per subscriber per month	283	267	262	265	263
3. Average revenue from data usage per subscriber per month (in ₹)	42.46	44.21	45.11	45.80	48.93
4. No. of Outgoing SMS per subscriber per month	16.73	16.19	16.42	10.70	9.49
5. Average subscriber Outgo per outgoing minute from HSA (₹)	0.48	0.47	0.47	0.45	0.42

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

Chapter 3 :

Financial Data of

Telecom Service

Sector

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

Particulars	QE Jun-14 (₹ in Crore)	QE Mar-15 (₹ in Crore)	QE Jun-15 (₹ in Crore)	Q-O-Q % Change Over Mar-15	Y-O-Y % Change over Jun-14
Gross Revenue (GR)	62919	65227	65030	-0.30	3.36
Adjusted Gross Revenue (AGR)	43852	45158	47134	4.38	7.49
Pass Through Charges (GR-AGR)	19067	20069	17896	-10.83	-6.14
License Fee	3503	3617	3783	4.58	7.98
Spectrum Usage Charges	1720	1771	1913	8.01	11.25

3.1 Gross Revenue(GR) declined by 0.30% in QE Jun-15, whereas on annual basis, it has increased by 3.36%. Adjusted Gross Revenue(AGR) increased by 4.38% in the QE Jun-15.

3.2 Pass through charges declined by 10.83% in the QE Jun-15 and on annual basis it has declined by 6.14%.

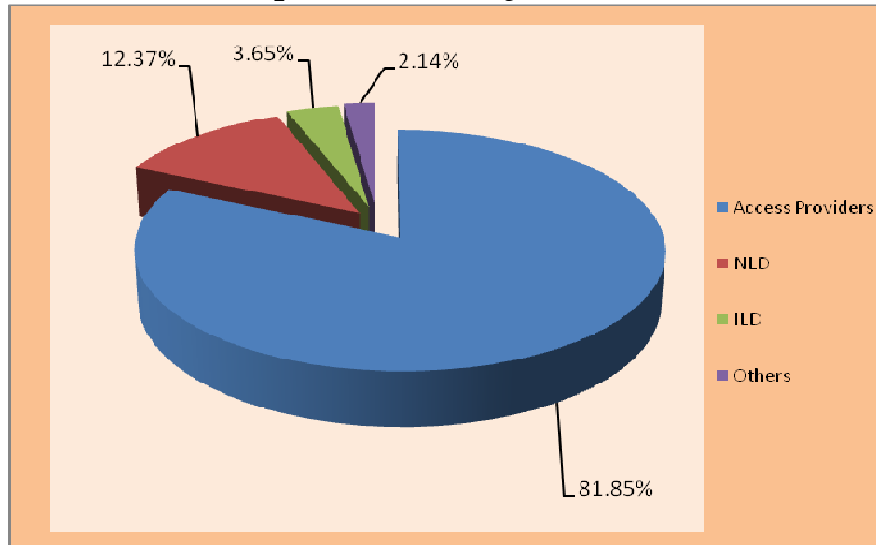
3.3 Pass-through charges as a percentage of Gross Revenue are 27.52% in QE Jun-15 as against 30.77% in the previous quarter.

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

(in ₹ Crore)

Service	GR	AGR	LF	Spectrum Charges
Access Providers	49834	38578	3084	1910
NLD	7722	5831	481	-
ILD	4078	1718	138	-
Others	3397	1006	80	3
Total	65030	47134	3783	1913

Chart 3.1: Composition of Adjusted Gross Revenue



3.4 Access services contributed 81.85% 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 1.10%, 7.35%, 7.21% and 8.07% respectively and Pass Through Charges declined by 15.72% in QE Jun-15.

3.5 Monthly ARPU based on AGR for Access services increased from ₹121.81 for Q.E. Mar-15 to ₹128.45 for Q.E. Jun-15. Chart below shows the trend in ARPU.

Chart 3.2: Trend in ARPU per month for Access Services

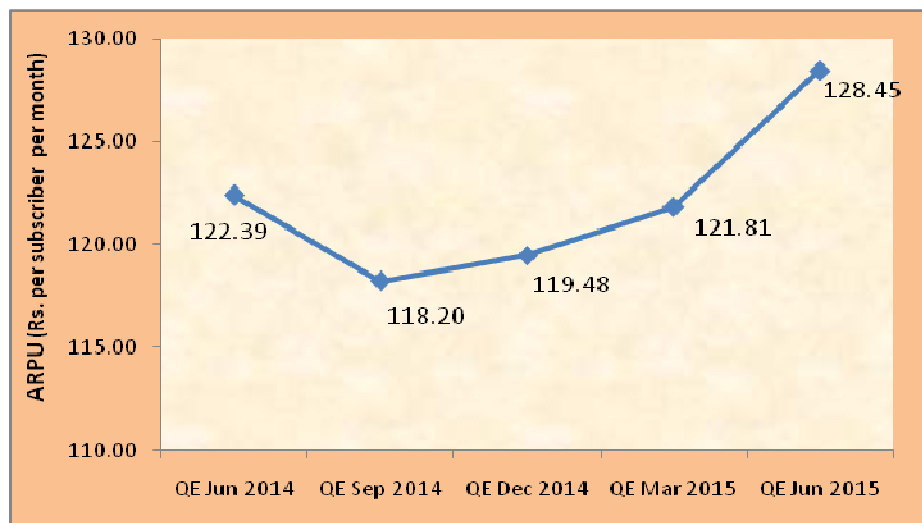


Table 3.3: Access Services - Service Provider wise Adjusted Gross Revenue

(in ₹ Crore)

Service	QE Jun-15	QE Mar-15	% Change
Bharti	11529.45	10439.09	10.44
Vodafone	8451.13	7828.29	7.96
Idea	7002.10	6396.23	9.47
BSNL	3321.29	3108.56	6.84
Tata	2588.35	2444.57	5.88
Aircel	2006.67	1971.80	1.77
Reliance	1863.88	1830.89	1.80
Telewings	831.85	763.88	8.90
MTNL	601.23	801.87	-25.02
Sistema Shyam	316.24	290.80	8.75
Videocon	51.70	56.17	-7.95
Quadrant	12.57	6.11	105.82
Reliance Jio	1.93	0.00	--
Grand Total (Access)	38578.39	35938.26	7.35

3.6 Public Sector Undertakings' share in the Access AGR of telecom services is 10.17% in the QE Jun-15.

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

Category	AGR of Access Services for QE Jun-15 (in ₹ crore)	%age share of AGR
Metro	5979.77	15.50
A	14818.73	38.41
B	13228.89	34.29
C	4551.01	11.80
Total	38578.39	100

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. March, 2015		Q. E. June, 2015	
			Out Of 184 (Nos.)	Out Of 184 (%)	Out Of 183 (Nos.)	Out Of 183 (%)
I.	Network Related Parameters					
1	Network Availability					
(i)	BTSS Accumulated downtime (not available for service)	≤ 2%	8	4.35%	8	4.37%
(ii)	Worst affected BTSS due to downtime	≤ 2%	12	6.52%	12	6.56%
2	Connection Establishment (Accessibility)					
(i)	Call Set-up Success Rate (within licensee's own network)	≥ 95%	4	2.17%	3	1.64%
(ii)	SDCCH/ Paging Chl. Congestion	≤ 1%	6	3.26%	4	2.19%
(iii)	TCH Congestion	≤ 2%	5	2.72%	7	3.83%
3	Connection Maintenance (Retain ability)					
(i)	Call Drop Rate	≤ 2%	3	1.63%	3	1.64%
(ii)	Worst affected cells having more than 3% TCH drop (call drop) rate	≤ 3%	23	12.50 %	45	24.59 %
(iii)	Connection with good voice quality	≥ 95%	6	3.26%	7	3.83%
4	Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark) (Averaged over a period of quarter)	≤ 0.5%	2	1.09%	3	1.64%

S. No.	Parameters	Benchmark	No. of CMTS Licensees not Meeting the Benchmarks			
			Q. E. March, 2015		Q. E. June, 2015	
			Out Of 184 (Nos.)	Out Of 184 (%)	Out Of 183 (Nos.)	Out Of 183 (%)
II.	Customer Service Quality Parameters					
5	Metering and Billing					
(i)	Metering and billing credibility - post paid	≤ 0.1%	3	1.63%	8	4.37%
(ii)	Metering and billing credibility - pre paid	≤ 0.1%	2	1.09%	8	4.37%
	Resolution of billing/charging/validity complaints	98% within 4 weeks	2	1.09%	1	0.55%
	Resolution of billing/charging/validity complaints	100% within 6 weeks	1	0.54%	1	0.55%
(iv)	Period of applying credit/waiver/ adjustment to customer's account from the date of resolution of complaints	within 1 week of resolution of complaint	2	1.09%	5	2.73%
6	Response time to the customer for assistance					
(i)	Accessibility of call centre/ customer care	≥ 95%	10	5.43%	3	1.64%
(ii)	%age of calls answered by the operators (voice to voice) within 90 seconds	≥ 95%	62	33.70 %	56	30.60 %
7	Termination / closure of service					
(i)	%age requests for Termination / Closure of service complied within 7 days	100% within 7 days	3	1.63%	4	2.19%
(ii)	Time taken for refund of deposits after closures	100% within 60 days	16	8.70%	9	4.92%

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

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

Parameter	Benchmark	Service Provider	Service Areas	Performance		
BTSs Accumulated downtime (not available for service) (%age)	≤ 2%	Aircel	Assam	4.38		
			Bihar	3.07		
			North East	8.52		
			West Bengal	2.58		
		BSNL	Bihar	11.24		
			Kolkata	7.99		
			North East	2.75		
Worst affected BTSs due to downtime (%age)	≤ 2%	Aircel	Assam	28.20		
			Bihar	20.58		
			Jammu & Kashmir	7.62		
			Kolkata	2.32		
			North East	48.80		
			Orissa	11.64		
			West Bengal	16.94		
		BSNL	Bihar	25.16		
			Kolkata	28.74		
			North East	8.63		
			West Bengal	25.70		
		Vodafone		Jammu & Kashmir	15.72	
		Call Set-up Success Rate (within licensee's own network)	≥ 95%	Aircel	Assam	93.26
					Bihar	89.65
North East	93.28					
SDCCH/ Paging Chl. Congestion (%age)	≤ 1%	Aircel	Jammu & Kashmir	2.95		
			West Bengal	1.90		
		BSNL	North East	3.01		
			West Bengal	2.25		
TCH Congestion (%age)	≤ 2%	Aircel	Assam	5.06		
			Bihar	9.82		
			Jammu & Kashmir	3.63		
			North East	5.45		
		BSNL	North East	4.44		
		TATA GSM	UPE	2.16		
Call Drop Rate (%age)	≤ 2%	Aircel	Bihar	2.84		
			North East	3.52		
		BSNL	Andhra Pradesh	6.11		
			Assam	15.46		

Parameter	Benchmark	Service Provider	Service Areas	Performance
Worst affected cells having more than 3% TCH drop	≤ 3%	Aircel	Bihar	10.59
			Delhi	6.87
			Haryana	4.31
			Himachal Pradesh	11.77
			Jammu & Kashmir	9.53
			Karnataka	7.92
			Kerala	3.29
			Maharashtra	4.22
			Mumbai	5.85
			North East	16.78
			Orissa	11.28
			Rajasthan	3.24
			Tamil Nadu	5.93
		West Bengal	8.74	
		BSNL	Bihar	8.13
			North East	8.30
			Punjab	19.17
			West Bengal	7.34
		TATA CDMA	Bihar	4.22
			Gujarat	5.34
			Haryana	4.36
			Himachal Pradesh	3.20
			Kerala	6.61
			Madhya Pradesh	5.23
			Maharashtra	4.91
			Mumbai	3.32
			Orissa	3.47
			Punjab	4.36
			Rajasthan	5.78
			UPE	5.54
			UPW	3.52
		TATA GSM	West Bengal	4.95
			AndhraPradesh	3.19
Gujarat	3.87			
Haryana	3.93			
Himachal Pradesh	11.68			
Karnataka	4.81			
Maharashtra	4.92			
Mumbai	3.05			
Punjab	3.58			
Rajasthan	4.11			
UPE	5.46			

Parameter	Benchmark	Service Provider	Service Areas	Performance
			UPW	4.20
Connection with good voice quality	≥ 95%	Aircel	Assam	91.37
			Jammu & Kashmir	94.82
			North East	93.11
		BSNL	Assam	94.39
			North East	92.06
		Telewings	Bihar	94.89
			UPE	93.79
Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark)	≤ 0.5%	BSNL	Punjab	1
		QTL GSM	Punjab	1
		Vodafone	UPE	2
Metering and billing credibility - post paid	≤ 0.1%	Idea	Kerala	0.14
		Vodafone	Assam	0.16
			Delhi	0.15
			Karnataka	0.14
			Mumbai	0.27
			Punjab	0.19
			Rajasthan	0.16
			UPW	0.14
Metering and billing credibility - pre paid	≤ 0.1%	BSNL	Assam	0.14
			Rajasthan	0.49
		Idea	Tamil Nadu	0.18
		Vodafone	Jammu & Kashmir	0.11
			Madhya Pradesh	0.13
			Punjab	0.17
			Rajasthan	0.29
			UPW	0.24
Resolution of billing/ charging complaints	98% within 4 weeks	BSNL	North East	97.33
Resolution of billing/ charging complaints	100% within 6 weeks	BSNL	North East	97.67
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	Andhra Pradesh	99.81
			Assam	99.80
			Chennai	98.67
			Delhi	99.93
			Tamil Nadu	99.64
Accessibility of call centre/ customer care	≥ 95%	Aircel	Bihar	92.15
			Kolkata	93.90
			West Bengal	73.53
		Aircel	Assam	93.78
			Kolkata	76.88
			UPE	92.63

Parameter	Benchmark	Service Provider	Service Areas	Performance
Percentage of calls answered by the operators (voice to voice) within 90 seconds	≥ 95%	Airtel	West Bengal	84.29
			Andhra Pradesh	91.00
			Assam	88.00
			Bihar	45.00
			Chennai	87.00
			Delhi	81.00
			Gujarat	90.00
			Himachal Pradesh	94.00
			Jammu & Kashmir	82.00
			Karnataka	40.00
			Kerala	77.00
			Kolkata	86.00
			Maharashtra	63.00
			Mumbai	82.00
			North East	92.00
			Punjab	91.00
			Rajasthan	92.00
			Tamil Nadu	87.00
			UPE	90.00
		West Bengal	86.00	
		BSNL	Andhra Pradesh	80.00
			Chennai	89.11
			Haryana	76.63
			Himachal Pradesh	73.11
			Jammu & Kashmir	67.00
			Punjab	65.03
			Rajasthan	74.51
		Tamil Nadu	91.00	
		RCOM CDMA	Andhra Pradesh	88.76
			Bihar	87.58
			Gujarat	85.15
			Karnataka	88.75
			Maharashtra	52.67
Mumbai	79.08			
RCOM GSM	Andhra Pradesh	87.11		
	Gujarat	83.39		
	Haryana	94.82		
	Jammu & Kashmir	90.61		
	Karnataka	80.23		
	Kerala	60.08		
	Maharashtra	43.48		

Parameter	Benchmark	Service Provider	Service Areas	Performance
Percentage of calls answered by the operators (voice to voice) within 90 seconds			Mumbai	79.04
			Punjab	94.91
			UPE	90.85
			UPW	93.29
		RTL	Assam	93.42
			Himachal Pradesh	94.33
			Kolkata	51.15
			Madhya Pradesh	91.68
			Orissa	73.88
		Vodafone	West Bengal	42.18
Andhra Pradesh	94.00			
%age requests for Termination / Closure of service complied within 7 days	100% within 7 days	BSNL	UPW	99.90
		Idea	Delhi	99.98
			Punjab	99.98
		Vodafone	Andhra Pradesh	92.50
Time taken for refund of deposits after closures	100% within 60 days	Idea	Delhi	99.35
			Kerala	66.94
		Vodafone	Andhra Pradesh	64.18
			Chennai	89.70
			Kolkata	50.52
			Maharashtra	89.67
			Orissa	17.76
			Tamil Nadu	87.66
West Bengal	65.55			

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. March, 2015		Q. E. June, 2015	
				Out of 94 (Nos.)	Out of 94 (in %)	Out Of 93 (Nos.)	Out of 93 (in %)
1	Network Availability	BTSs and Node-B's Accumulated downtime (not available for service) (%age)	≤ 2%	4	4.26%	7	7.53%
		Worst affected BTSs and Node-B's due to downtime (%age)	≤ 2%	11	11.70%	13	13.98%
2	Connection Establishment (Accessibility)	Call Set-up Success Rate (within licensee's own network)	≥ 95%	2	2.13%	1	1.08%
		SDCCH/Paging Channel and RRC Congestion (%age)	≤ 1%	1	1.06%	1	1.08%
		TCH and Circuit Switched RAB Congestion (%age)	≤ 2%	1	1.06%	1	1.08%
3	Connection Maintenance (Retainability)	Call Drop and Circuit Switched Voice Drop Rate: (%age)	≤ 2%	0	0	3	3.23%
		Worst affected cells having more than 3% TCH drop (call drop) and Circuit Switched Voice Drop Rate:-CBBH	≤ 3%	15	15.96%	15	16.13%
		Connections with good voice quality and Circuit Switch Voice Quality (CSV quality)	≥ 95%	2	2.13%	1	1.08%
4	Point of Interconnection	Point of Interconnection (POI) Congestion	≤ 0.5%	2	2.13%	1	1.08%

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

- a. Call Set Up Success Rate (within licensee's own network)
- b. Connection with good voice quality and Circuit Switch Voice Quality (CSV quality)
- c. Point of Interconnection (POI) Congestion

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

- a. BTSs and Node-B's Accumulated downtime (not available for service) (%age)
- b. Worst affected BTSs and Node-B's due to downtime (%age)
- c. Call Drop and Circuit WSwitched Voice Drop Rate : (%age)

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

Parameter	Benchmark	Service Provider	Service Areas	Performance
BTSs and Node-B's Accumulated downtime (not available for service) (%age)	≤ 2%	Aircel	Assam	3.12
			Bihar	2.60
			North East	9.94
		BSNL	Bihar	6.80
			Kolkatta	10.57
			North East	2.11
West Bengal	4.28			
Worst affected BTSs and Node-B's due to downtime (%age)	≤ 2%	Aircel	Assam	20.97
			Bihar	18.41
			Jammu & Kashmir	16.04
			Kolkata	3.07
			North East	48.19
			Orissa	10.02
			West Bengal	16.16

Parameter	Benchmark	Service Provider	Service Areas	Performance
Worst affected BTSs and Node-B's due to downtime (%age)	$\leq 2\%$	BSNL	Bihar	28.78
			Kolkata	35.50
			North East	10.68
			West Bengal	19.21
		Vodafone	UPE	2.88
			West Bengal	4.70
Call Set-up Success Rate (within licensee's own network)	$\geq 95\%$	BSNL	North East	94.65
SDCCH/Paging Channel and RRC Congestion (%age)	$\leq 1\%$	BSNL	North East	2.96
TCH and Circuit Switched RAB Congestion (%age)	$\leq 2\%$	BSNL	North East	3.64
Call Drop and Circuit Switched Voice Drop Rate: (%age)	$\leq 2\%$	Aircel	North East	2.09
		BSNL	Bihar	2.25
			North East	2.35
Worst affected cells having more than 3% TCH drop (call drop) and Circuit Switched Voice Drop Rate:-CBBH	$\leq 3\%$	Aircel	Andhra Pradesh	7.00
			Assam	13.66
			Bihar	13.04
			Jammu & Kashmir	15.33
			Karnataka	10.21
			North East	21.31
			Orissa	15.06
			Punjab	8.41
			Tamil Nadu	8.68
			UPE	7.68
		BSNL	Bihar	5.90
			Madhya Pradesh	3.23
			North East	4.87
			West Bengal	5.23
TATA	Maharashtra	3.57		
Connections with good voice quality and Circuit Switch Voice Quality (CSV quality)	$\geq 95\%$	BSNL	Assam	94.13
Point of Interconnection (POI) Congestion	$\leq 0.5\%$	BSNL	Punjab	1

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

Section B: Quality of Service Performance of Wireline Service Providers

Table 4.5: QoS Summary - Wireline Service

S. No.	Parameters	Benchmark	No of license areas where operators not meeting the benchmarks			
			QE March, 2015		QE June, 2015	
			Out of 103 In Nos.	Out of 103 In %age	Out of 103 In Nos.	Out of 103 In %age
(i)	Fault incidences per 100 subs/month	≤ 7	1	1%	1	1%
(ii)	% Fault repaired by next working day for urban areas	$\geq 85\%$	0	0%	1	1%
	% Fault repaired within 5 days (for urban areas)	$\geq 100\%$	2	2%	2	2%
(iii)	% Fault repaired by next working day for rural and hilly areas	$\geq 75\%$	0	0%	0	0%
	% Fault repaired within 7 days (for rural and hilly areas)	$\geq 100\%$	0	0%	0	0%
(iv)	MTTR	$\leq 10\text{Hs}$	0	0%	2	2%
(v)	Point of Interconnection (POI) Congestion (No. of PoIs not meeting benchmark)	$\leq 0.5\%$	2	2%	0	0%
(vi)	Metering and Billing credibility - post-paid	$\leq 0.1\%$	0	0%	0	0%
	Metering and Billing credibility -pre-paid	$\leq 0.1\%$	0	0%	0	0%
(vii)	Period of applying credit/waiver/adjustment to customer's	1 week of resolution of complaint	0	0%	0	0%
(viii)	Resolution of billing/charging/Credit & validity complaints	98% within 4 weeks	13	13%	4	4%
	Resolution of billing/charging/Credit & validity complaints	100% within 6 weeks	12	12%	4	4%

S. No.	Parameters	Benchmark	No of license areas where operators not meeting the benchmarks			
			QE March, 2015		QE June, 2015	
			Out of 103 In Nos.	Out of 103 In %age	Out of 103 In Nos.	Out of 103 In %age
(ix)	Accessibility of call centre/ customer care	≥ 95%	3	3%	2	2%
	%age of calls answered by the operators (voice to voice) within 90 seconds	≥ 95%	23	22%	30	29%
(x)	Termination / closure of service	100% within 7 days	1	1%	3	3%
(xi)	Time taken for refund of deposits after closures	100% within 60 days	0	0%	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 downgraded 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. Point of Interconnection (POI) congestion (No. of POIs not meeting benchmark)
- b. Resolution of billing/charging/credit & validity complaints (98% within 4 weeks & 100% within 6 weeks)
- c. Accessibility of Call Centre/Customer Care

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

- a. % Fault repaired by next working day for urban areas
- b. Mean time to repair (MTTR)

- c. %age of calls answered by the operators (voice to voice) within 90 seconds
- d. %age requests for Termination / Closure of service complied within 7 days.

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

PARAMETERS	BENCHMARKS	SERVICE PROVIDER	SERVICE AREAS	Parameters not met
Faults incidences (No. of faults/ 100 Subs./ month)	≤7	MTNL	DELHI	7.62
% Fault repaired within next working day (for urban areas)	≥ 85%	Tata	RJ	67%
% Fault repaired within 5 days (for urban areas)	≥100%	MTNL	DEL	97.82%
			MUM	99.42%
Mean Time to Repair (MTTR)	≤ 10 Hrs	Tata	Mum	11
			Pb	11
Resolution of billing/charging/validity complaints	98% within 4 weeks	Tata	AP	75%
			HR	0%
			Mum	38%
			TN	33%
Resolution of billing/charging/validity complaints	100% within 6 weeks	TATA	AP	75%
			HR	0%
			Mum	38%
			TN	67%
Response time to the customer for assistance	≥ 95%	BSNL	AP	92.98%
			KTK	91.51%
Response time to the customer for assistance %age of calls answered by the operators (voice to voice) within 90 seconds	≥ 95%	Bharti Airtel Ltd.	AP	89.99%
			KTK	63.00%
			KR	86.36%
			TN	63.39%
			DL	68.84%
			Kol	93.69%
			UPE	94.75%
			UPW	94.04%
GJ	62.92%			

PARAMETERS	BENCHMARKS	SERVICE PROVIDER	SERVICE AREAS	Parameters not met
			MP	68.11%
			MH	67.89%
			Mum	64.26%
		Tata	DL	91%
			KR	94%
			Mum	87%
			MH	93%
		BSNL	AP	91.96%
			CHHTS	89.33%
			GUJ	88.67%
			HR	88.67%
			HP	92.00%
			J&K	93.00%
			MP	89.33%
			MH	93.33%
			PB	88.67%
			RAJ	90.00%
			UPE	93.00%
			UPW	94.00%
			UTTRA	92.00%
KOL	94.67%			
Termination / closure of service— %age requests for Termination / Closure of service complied within 7 days	100% within 7 days	MTNL	MUM	99.43%
		Tata	AP	97%
			Mum	69%

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 116 Service Providers (SPs) providing broadband (wireline) service at the end of June, 2015. Out of these SPs, 37 Service Providers are having broadband subscriber base >10,000 and market share of these 37 SPs is 99.16% of total subscriber base. This report covers performance of top 37 broadband Service Providers vis-à-vis the QoS benchmarks prescribed by TRAI, for the QE June, 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			
			Quarter Ending March, 2015		Quarter Ending June, 2015	
			Out of 64 (in Nos.)	Out of 64 (in %age)	Out of 63 (in Nos.)	Out of 63 (in %age)
1	Service Provisioning	100% in =<15 working days				
1.2	%age of connections provided within 15 days of registration of demand	100%	5	7.81%	3	4.76%
2	Faults Repair					
2.2	% of faults repaired by next working day (>90%)	>90%	1	1.56%	2	3.17%
2.3	% of faults repaired within 3 working day	=>99%	3	4.69%	5	7.94%
2.4	No. of customers to whom rent rebate is given in mininum monthly charges or equivalent usage allowance for delay in fault repair.	In nos.	0	0.00%	0	0.00%
3	Billing Performance					
3.3	%age of bills disputed	<2%	0	0.00%	0	0.00%
3.4	%age of billing complaints resolved within 4 weeks	100% within 4 weeks	3	4.69%	2	3.17%
3.5	%age of cases to whom refund of deposits is made within 60 days of closures	100% within 60 days	0	0.00%	1	1.59%

S. No.	Parameter	Benchmark	No. of licensees not meeting the benchmarks			
			Quarter Ending March, 2015		Quarter Ending June, 2015	
			Out of 64 (in Nos.)	Out of 64 (in %age)	Out of 63 (in Nos.)	Out of 63 (in %age)
4	Response Time to the Customer for assistance					
4.2	%age of calls answered by operator (Voice to voice) within 60 sec	>60%	0	0.00%	5	7.94%
4.3	%age of calls answered by operator (Voice to voice) within 90 sec	>80%	0	0.00%	10	15.87%
5	Bandwidth utilisation/ throughput					
5.2	No. of Intra network links having Bandwidth utilisation >90% during peak hours (TCBH)	0	2	3.13%	0	0.00%
5.4	No. of Upstream links for International connectivity having bandwidth utilisation >90% during peak hours (TCBH)	0	1	1.56%	0	0.00%
5.7	% International bandwidth utilization during peak hours (TCBH) (Enclose MRTG) <90%	<90%	0	0.00%	0	0.00%
5.8	Broadband Connection Speed available (download) from ISP node to user	>80%	0	0.00%	0	0.00%
6	Service availability /uptime (for all users) in %age					
6.3	Service availability /uptime (for all users) in %age	>98%	0	0.00%	1	1.59%
7	Packet loss (for wired broadband access) in %age	<1%	0	0.00%	0	0.00%
8	Network latency (for wired broadband access)					
(i)	User reference point at POP/ISP Gateway node to IGSP/NIXI	<120 ms	0	0.00%	0	0.00%
(ii)	User reference point at ISP Gateway node to International nearest NAP port abroad (terrestrial)	<350 ms	0	0.00%	0	0.00%
(iii)	User reference point at ISP Gateway node to International nearest NAP port abroad (satellite)	<800 ms	0	0.00%	0	0.00%

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

Sl. No.	Parameters	Benchmark	Name of the Service Provider not meeting the Benchmark
1	Service Provisioning/ Activation Time	100% in =< 15 working days	
1.2	%age of connections provided within 15 days of registration of demand	100%	MTNL - Delhi & Mumbai (99.94%) Atria - All India (94.58%) Hathway Cable - Maharashtra & Goa (97%)
2	Faults Repair/ Restoration Time		
2.2	% of faults repaired by next working day	>90%	MTNL - Delhi & Mumbai (87.63%), Atria - All India (87%)
2.3	% of faults repaired within 3 working day	=>99%	MTNL -Delhi & Mumbai (96.15%), Atria - All India (98.00%), Hathway - UP-West (98%) Tata Communications - All India(96%)
3	Billing Performance		
3.4	%age of billing complaints resolved within 4 weeks	100%	Tata (TTML) – Mah & Goa (58.33%), Tata (TTSL) – All India (68.50%),
3.5	%age of cases to whom refund of deposits is made within 60 days of closures	100% within 60 days	Tata (TTSL) – All India (90%),
4	Response Time to the Customer for assistance		
4.2	%age of calls answered by operator (Voice to voice) within 60 sec	>60%	Bharti Airtel - Haryana (53%), Kerala (54%), Punjab (58%), UP-West (59%) Atria - All India (45%)
4.3	%age of calls answered by operator (Voice to voice) within 90 sec	>80%	Bharti Airtel - Haryana (59%), Karnataka (76%), Kerala (62%), Maharashtra (73%), Punjab (67%), UP-East (68%), UP-West (66%) Atria - All India (55%), Hathway - Karnataka (78%), Tata Communications - All India (71%)
5	Service availability /uptime (for all users) in %age	>98%	Honesty - Mumbai (95%)

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

Chapter 5 :

Performance of Cable TV, DTH and Radio Broadcasting Services

Table 5.1: Key Parameters - Broadcasting & Cable Services

S.No	Parameter	QE Mar-15	QE Jun-15
1	Number of private satellite TV channels registered with Ministry of I&B	829	826
2	Maximum number of Pay TV Channels carried by certain cable operator in non-CAS areas	216	214
3	Maximum number of Free-to-Air (FTA) TV Channels carried by certain cable operator in non-CAS areas	177	179
4	Private FM Radio stations in operation	243	243
5	Private DTH Operators	6	6
6	Licensees of community radio stations	208	230
7	Operational community radio station	180	186

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 397. 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 179. 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 214. 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 24.

(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 30.06.2015, there are a total of 211 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

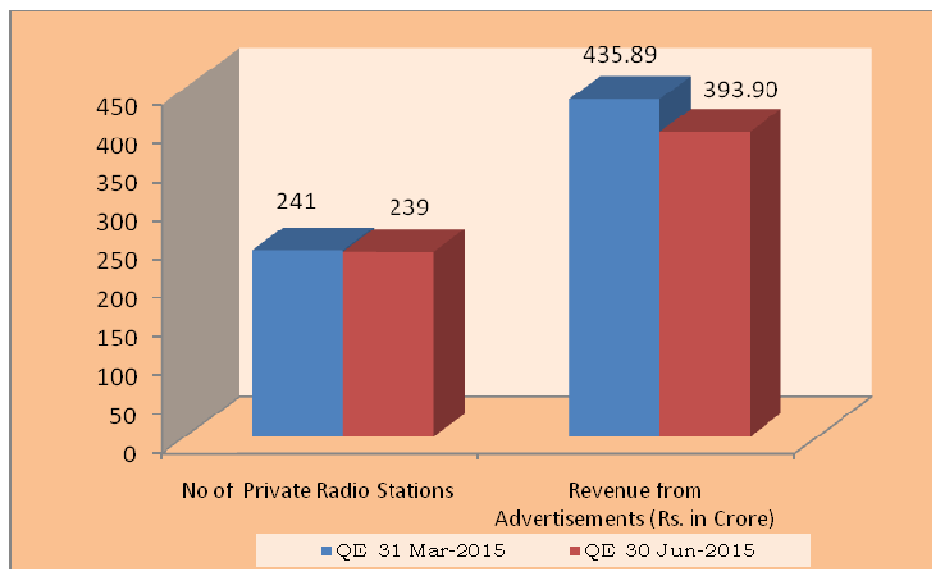
- 5.5 A total of 826 private satellite TV channels have been permitted by the Ministry of Information and Broadcasting (MIB) for uplinking only/ downlinking/uplinking as on 30th June, 2015.
- 5.6 There were a total of 251 Pay channels as reported by broadcasters as on 31.03.2015. During the quarter ending June 2015, four new pay channels i.e (i) Sony KIX, (ii) AXN HD, (iii) ETV News Odia and (iv) Star Movies Select HD were launched by the broadcasters / its distributors. During the quarter three channels namely (i) Fox Crime, (ii) 9X and (iii) Zee Premier were discontinued. Now, a list of 252 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 30th June, 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 June, 2015 in respect of 239 private FM Radio stations was Rs 393.90 crores as against in respect of 241 private FM Radio stations was Rs 435.89 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



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 78.74 million & 39.74, million respectively as on 30th June, 2015

Community Radio

5.11 As per data received from MIB, as on 30th June, 2015, out of the 230 community radio licenses issued so far, 186 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 June, 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 30.06.2015
Total No. of Applications Received	1753
No of Letters of Intent (LOIs) issued	507*
No of Applications rejected	815
No of Licenses issued (GOPA signed)	230
No of stations operational	186

**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)	
	Mar-15	Jun-15	Mar-15	Jun-15	Mar-15	Jun-15	Mar-15	Jun-15	Mar-15	Jun-15	Mar-15	Jun-15
Andhra Pradesh	6,978,118	6,848,825	21,842,966	22,183,031	14,101,423	14,346,989	2,608,951	2,752,856	3,246,182	3,357,577	1,873,456	1,806,881
Assam	3,181,129	3,238,050	5,128,549	5,286,302	850,910	915,022	4,403,721	4,567,562	2,325,258	2,333,948		
Bihar	8,433,417	8,574,471	24,714,613	25,790,972	9,066,959	9,768,260	6,094,617	6,345,387	6,585,236	7,032,970	2,589,071	2,681,369
Delhi	9,554,956	9,666,715	10,899,737	10,897,923	5,937,337	6,013,531	5,139,800	5,394,596	5,516,999	5,207,315	2,975,439	3,007,371
Gujarat	18,667,953	18,601,610	7,944,940	7,905,685	10,985,668	11,101,591	17,063	17,063	3,655,817	3,493,916	1,238,355	1,215,636
Haryana	5,253,738	5,269,179	2,611,603	2,711,058	4,584,025	4,672,183	3,092	3,092	1,609,270	1,639,841	392,301	390,012
Himachal Pradesh	613,744	653,732	2,458,510	2,658,728	699,145	732,370	972,926	976,920	1,412,591	1,438,358	173,774	173,537
Jammu & Kashmir	1,182,293	1,185,747	2,982,638	3,077,149	517,110	547,858	2,627,512	2,729,425	785,074	845,060	22	22
Karnataka	7,259,023	7,272,606	19,304,525	19,789,627	7,894,841	8,164,920	2,791,121	2,678,151	4,126,687	3,965,055	1,308,170	1,285,330
Kerala	7,190,844	7,320,505	3,983,764	4,018,540	9,632,422	9,912,344	918	21,323	1,026,110	1,090,725	850,321	850,220
Madhya Pradesh	6,371,114	6,376,689	11,486,501	11,624,876	19,398,138	19,883,478	21,194	21,194	10,429,454	10,344,742	2,044,846	2,051,779
Maharashtra	17,437,924	17,357,069	11,620,724	11,879,438	21,782,129	21,899,528	1,890,585	2,069,802	3,232,345	3,193,963	1,811,971	1,751,854
Mumbai	8,430,533	8,416,128	5,124,883	5,114,420	4,014,057	4,016,406	2,438,486	2,548,157	2,900,365	2,914,521	2,959,121	2,821,247
North East	1,293,776	1,358,820	3,486,004	3,521,860	462,511	473,119	2,888,063	2,979,468	852,675	798,855		
Orissa	3,472,928	3,558,885	9,116,568	9,269,083	1,353,050	1,330,006	3,973,664	4,156,988	3,807,942	4,074,273	303,091	316,159
Punjab	4,937,645	4,923,115	7,765,591	7,797,227	6,210,132	6,327,933	994,838	985,719	2,069,856	2,125,807	238,144	232,518
Rajasthan	11,115,888	11,205,004	17,609,404	17,890,152	6,943,659	7,232,280	5,726,408	5,919,000	5,546,063	5,404,485	958,257	981,538
Tamil Nadu (incl. Chennai)	14,241,929	14,492,000	15,868,214	16,094,730	4,453,972	4,878,162	23,736,374	23,244,761	4,602,116	4,371,604	1,801,351	1,800,409
UP(E)	17,584,787	17,884,170	18,480,116	18,837,031	9,683,219	10,090,740	6,312,225	6,395,523	5,790,498	5,945,208	2,441,324	2,389,157
UP(W)	10,716,829	10,693,590	7,297,186	7,480,611	13,064,094	13,301,995	228,459	315,667	4,153,918	4,190,988	1,256,757	1,215,249
Kolkata	4,840,214	4,972,601	4,130,404	4,178,476	1,834,667	1,895,705	3,729,840	3,925,915	2,707,005	2,938,479	994,054	1,002,057
West Bengal	15,044,231	15,514,461	12,159,973	12,654,747	4,338,200	4,575,275	4,795,856	5,001,239	6,049,457	6,384,503	831,732	843,929
Total	183,803,013	185,383,972	226,017,413	230,661,666	157,807,668	162,079,695	81,395,713	83,049,808	82,430,918	83,092,193	27,041,557	26,816,274

Annexure 1.2 (contd.)

Service Area	Tata (GSM)		Tata (CDMA)		BSNL (GSM)		BSNL (CDMA)		MTNL (GSM)		MTNL (CDMA)	
	Mar-15	Jun-15	Mar-15	Jun-15	Mar-15	Jun-15	Mar-15	Jun-15	Mar-15	Jun-15	Mar-15	Jun-15
Andhra Pradesh	4,916,836	4,400,182	1,317,096	1,067,829	9,554,414	9,604,712	49,009	38,372				
Assam					1,165,453	1,148,709	95,871	67,393				
Bihar	1,556,321	1,421,583	664,976	555,575	2,574,030	2,856,149	206,808	143,612				
Delhi			2,805,481	2,747,027					2,313,943	2,315,947	22,985	22,982
Gujarat	2,633,872	2,362,329	383,150	359,894	3,055,520	3,013,912	73,432	63,382				
Haryana	2,396,287	2,237,253	501,257	427,919	2,724,779	2,694,991	10,786	9,665				
Himachal Pradesh	48,304	42,539	49,308	42,101	1,391,500	1,375,305	36,285	20,785				
Jammu & Kashmir					1,163,040	1,169,807	55,061	53,830				
Karnataka	6,612,468	6,393,316	483,621	440,943	6,580,344	6,673,112	109,397	74,517				
Kerala	1,581,910	1,438,434	174,412	155,584	6,341,034	6,585,194	226,927	157,458				
Madhya Pradesh	4,273,298	4,149,218	504,770	426,399	3,172,066	3,444,088	168,362	110,828				
Maharashtra	4,328,650	4,042,644	2,381,134	2,174,959	5,015,370	4,901,004	91,535	80,138				
Mumbai	2,470,385	2,275,227	1,132,659	1,098,303					1,109,523	1,144,504	65,293	64,497
North East					1,262,491	1,266,827	144,828	157,861				
Orissa	2,233,962	2,116,594	176,964	156,227	3,385,488	3,391,548	45,770	43,613				
Punjab	2,054,978	1,952,682	598,276	550,921	3,004,165	3,078,677	24,708	24,120				
Rajasthan	671,491	575,969	1,113,484	1,055,153	3,160,554	3,186,168	141,045	88,043				
Tamil Nadu (incl. Chennai)	5,760,042	5,280,373	288,272	254,917	8,594,194	8,613,431	67,574	56,894				
UP(E)	4,178,713	3,917,596	512,226	441,507	7,417,209	7,232,154	271,105	28,462				
UP(W)	3,231,796	3,044,388	613,620	521,384	3,227,756	3,340,604	76,123	63,810				
Kolkata	2,493,727	2,445,718	406,555	375,279	764,197	735,296	19,124	16,518				
West Bengal	690,605	559,638	75,101	65,924	1,685,109	1,676,035	71,192	69,683				
Total	52,133,645	48,655,683	14,182,362	12,917,845	75,238,713	75,987,723	1,984,942	1,368,984	3,423,466	3,460,451	88,278	87,479

Annexure 1.2 (contd.)

Service Area	Sistema (CDMA)		Quadrant (HFCL) (GSM)		Quadrant (HFCL) (CDMA)		Telewings (GSM)		Videocon (GSM)		Total		Net Additions
	Mar-15	Jun-15	Mar-15	Jun-15	Mar-15	Jun-15	Mar-15	Jun-15	Mar-15	Jun-15	Mar-15	Jun-15	
Andhra Pradesh							5,459,948	5,520,752			71,948,399	71,928,006	(20,393)
Assam											17,150,891	17,556,986	406,095
Bihar							6,778,472	7,431,027	6,113	21,187	69,270,633	72,622,562	3,351,929
Delhi	1,008,236	1,027,261									46,174,913	46,300,668	125,755
Gujarat	211,479	223,685					7,357,556	7,713,215	2,339,057	2,425,243	58,563,862	58,497,161	(66,701)
Haryana									1,918,899	1,986,046	22,006,037	22,041,239	35,202
Himachal Pradesh											7,856,087	8,114,375	258,288
Jammu & Kashmir											9,312,750	9,608,898	296,148
Karnataka	1,565,259	1,430,876									58,035,456	58,168,453	132,997
Kerala	397,418	394,104									31,406,080	31,944,431	538,351
Madhya Pradesh									2,850,999	3,126,003	60,720,742	61,559,294	838,552
Maharashtra							7,349,644	7,547,263			76,942,011	76,897,662	(44,349)
Mumbai											30,645,305	30,413,410	(231,895)
North East											10,390,348	10,556,810	166,462
Orissa											27,869,427	28,413,376	543,949
Punjab			2,728,228	2,803,572	1,926	2,638					30,628,487	30,804,929	176,442
Rajasthan	2,219,579	2,212,554									55,205,832	55,750,346	544,514
Tamil Nadu (incl. Chennai)	904,304	873,590									80,318,342	79,960,871	(357,471)
UP(E)							10,717,946	11,567,252	9,506	25,243	83,398,874	84,754,043	1,355,169
UP(W)	193,990	179,838					7,954,191	8,351,314	9,184	26,360	52,023,903	52,725,798	701,895
Kolkata	641,031	637,936									22,560,818	23,123,980	563,162
West Bengal	1,723,141	1,716,510									47,464,597	49,061,944	1,597,347
Total	8,864,437	8,696,354	2,728,228	2,803,572	1,926	2,638	45,617,757	48,130,823	7,133,758	7,610,082	969,893,794	980,805,242	10,911,448

Annexure 1.3: Wireline Subscriber Base

Service Area	Bharti		Reliance		Quadrant (HFCL)		Sistema		Tata		MTNL		BSNL		Vodafone		Total		Net Additions
	Mar-15	Jun-15	Mar-15	Jun-15	Mar-15	Jun-15	Mar-15	Jun-15	Mar-15	Jun-15	Mar-15	Jun-15	Mar-15	Jun-15	Mar-15	Jun-15	Mar-15	Jun-15	
Andhra Pradesh	119,680	125,355	80,426	78,437	-	-	-	-	162,778	162,180	-	-	1,496,743	1,461,266	9,060	9,120	1,868,687	1,836,358	-32,329
Assam					-	-	-	-			-	-	165,994	165,359	1,440	1,500	167,434	166,859	-575
Bihar			6,104	6,162	-	-	-	-	12,790	13,043	-	-	339,466	328,269	930	990	359,290	348,464	-10,826
Delhi	1,197,312	1,199,488	180,433	178,384	-	-	-	-	133,429	137,326	1,609,278	1,610,184			20,910	21,630	3,141,362	3,147,012	5,650
Gujarat	61,720	62,651	81,413	81,507	-	-	-	-	84,098	85,451	-	-	1,322,712	1,266,176	2,460	2,760	1,552,403	1,498,545	-53,858
Haryana	16,699	17,088	4,870	4,880	-	-	-	-	34,210	35,856	-	-	350,362	337,656	90	90	406,231	395,570	-10,661
Himachal Pradesh			4,847	4,400	-	-	-	-	2,752	2,764	-	-	200,513	184,253	90	90	208,202	191,507	-16,695
Jammu & Kashmir					-	-	-	-			-	-	149,349	139,445			149,349	139,445	-9,904
Karnataka	544,460	554,385	130,383	132,321	-	-	-	-	194,141	195,688	-	-	1,402,178	1,379,155	6,780	7,350	2,277,942	2,268,899	-9,043
Kerala	49,996	51,591	36,642	35,759	-	-	-	-	15,644	16,912	-	-	2,484,458	2,430,334	660	780	2,587,400	2,535,376	-52,024
Madhya Pradesh	232,074	234,607	22,672	21,897	-	-	-	-	20,511	21,190	-	-	830,015	789,832	270	270	1,105,542	1,067,796	-37,746
Maharashtra	67,858	68,932	81,691	82,209	-	-	-	-	275,597	278,765	-	-	1,681,804	1,622,948	9,570	9,900	2,116,520	2,062,754	-53,766
Mumbai	340,915	340,887	237,408	239,426	-	-	-	-	530,115	529,219	1,942,393	1,925,433			12,690	14,040	3,063,521	3,049,005	-14,516
North East					-	-	-	-			-	-	127,144	126,403	120	120	127,264	126,523	-741
Orissa			2,937	2,999	-	-	-	-	7,925	8,006	-	-	306,675	304,395	690	720	318,227	316,120	-2,107
Punjab	92,715	93,721	20,494	20,852	227,467	229,536	-	-	17,167	17,315	-	-	761,884	739,182	510	510	1,120,237	1,101,116	-19,121
Rajasthan	40,948	41,644	22,964	23,146	-	-	57,119	58,131	9,976	9,818	-	-	690,273	673,902	1,740	1,890	823,020	808,531	-14,489
Tamil Nadu (incl. Chennai)	462,008	466,816	142,286	138,620	-	-	-	-	94,894	98,300	-	-	2,053,191	2,017,754	6,810	7,320	2,759,189	2,728,810	-30,379
U.P.(E)	56,315	56,991	38,496	37,232	-	-	-	-	15,802	15,462	-	-	402,886	387,629	1,050	1,050	514,549	498,364	-16,185
U.P.(W)	20,235	20,139	6,052	6,284	-	-	-	-	9,914	9,916	-	-	446,032	429,807	390	420	482,623	466,566	-16,057
Kolkata	108,186	109,852	80,187	77,119	-	-	-	-	47,264	48,498	-	-	765,066	747,071	3,270	3,600	1,003,973	986,140	-17,833
West Bengal			1,872	1,895	-	-	-	-	3,782	3,772	-	-	435,695	406,294	30	30	441,379	411,991	-29,388
Total	3,411,121	3,444,147	1,182,177	1,173,529	227,467	229,536	57,119	58,131	1,672,789	1,689,481	3,551,671	3,535,617	16,412,440	15,937,130	79,560	84,180	26,594,344	26,151,751	-442,593

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 31.03.15	Number of PCOs as on 30.06.15	Net PCO increase/ decrease as on 30.06.15	Percentage Growth/ Decline as on 30.06.15
1	Andhra Pradesh (Including Telangana)	BSNL	46,697	43,346	-3,351	-7.18%
		Bharti	207	207	0	0.00%
		TTL	5,555	9,007	3,452	62.14%
		RCL	14,173	12,890	-1,283	-9.05%
	Andhra Pradesh	BSNL	46,697	43,346	-3,351	-7.18%
		Bharti	207	207	0	0.00%
		TTL	5,555	9,007	3,452	62.14%
		RCL	14,173	12,890	-1,283	-9.05%
	Telangana	BSNL	0	0	0	0.00%
		Bharti	0	0	0	0.00%
		TTL	0	0	0	0.00%
		RCL	0	0	0	0.00%
2	Assam	BSNL	10,350	9,826	-524	-5.06%
3	Bihar (Including Jharkhand)	BSNL	7,332	7,311	-21	-0.29%
		TTL	95	172	77	81.05%
		RCL	512	396	-116	-22.66%
	Bihar	BSNL	2,341	2,341	0	0.00%
		TTL	95	172	77	81.05%
		RCL	512	396	-116	-22.66%
	Jharkhand	BSNL	4,991	4,970	-21	-0.42%
		TTL	0	0	0	0.00%
		RCL	0	0	0	0.00%
4	Delhi	MTNL	56,550	56,418	-132	-0.23%
		Bharti	1,202	823	-379	-31.53%
		TTL	3,092	3,633	541	17.50%
		RCL	512	416	-96	-18.75%
5	Gujarat	BSNL	27,485	26,094	-1,391	-5.06%
		Bharti	16	16	0	0.00%
		TTL	2,594	2,839	245	9.44%
		RCL	1,920	1,742	-178	-9.27%
6	Haryana	BSNL	4,179	3,885	-294	-7.04%
		Bharti	214	200	-14	-6.54%
		TTL	126	119	-7	-5.56%
		RCL	66	54	-12	-18.18%
7	Himachal Pradesh	BSNL	3,757	3,023	-734	-19.54%
		TTL	41	37	-4	-9.76%
		RCL	37	34	-3	-8.11%
8	Jammu & Kashmir	BSNL	4,650	4,177	-473	-10.17%

Annexure 1.4 (Contd.)

Sl. No.	Name of the Circle/Service Area	Service Provider	Number of PCOs as on 31.03.15	Number of PCOs as on 30.06.15	Net PCO increase/ decrease as on 30.06.15	Percentage Growth/ Decline as on 30.06.15
9	Karnataka	BSNL	50,709	47,013	-3,696	-7.29%
		Bharti	5,978	5,374	-604	-10.10%
		TTL	3,287	2,691	-596	-18.13%
		RCL	4,693	4,274	-419	-8.93%
10	Kerala	BSNL	28,915	27,759	-1,156	-4.00%
		Bharti	643	585	-58	-9.02%
		TTL	151	146	-5	-3.31%
		RCL	942	838	-104	-11.04%
11	Madhya Pradesh (Including Chattisgarh)	BSNL	30,345	29,652	-693	-2.28%
		Bharti	3,727	3,365	-362	-9.71%
		TTL	1,492	1,298	-194	-13.00%
		RCL	1,666	1,514	-152	-9.12%
	Madhya Pradesh	BSNL	27,812	27,127	-685	-2.46%
		Bharti	3,727	3,365	-362	-9.71%
		TTL	1,492	1,298	-194	-13.00%
		RCL	1,666	1,514	-152	-9.12%
	Chattisgarh	BSNL	2,533	2,525	-8	-0.32%
		Bharti	0	0	0	0.00%
		TTL	0	0	0	0.00%
		RCL	0	0	0	0.00%
12	Maharashtra (Including Mumbai & Goa)	BSNL	77,848	74,442	-3,406	-4.38%
		Bharti	41	41	0	0.00%
		MTNL	82,136	81,248	-888	-1.08%
		TTML	24,750	23,698	-1,052	-4.25%
		RCL	13,068	11,798	-1,270	-9.72%
	Maharashtra & Goa	BSNL	77,848	74,442	-3,406	-4.38%
		Bharti	0	0	0	0.00%
		MTNL	0	0	0	0.00%
		TTML	19,647	17,968	-1,679	-8.55%
		RCL	5,103	4,474	-629	-12.33%
	Mumbai	BSNL	0	0	0	0.00%
		Bharti	41	41	0	0.00%
		MTNL	82,136	81,248	-888	-1.08%
		TTML	5,103	5,730	627	12.29%
		RCL	7,965	7,324	-641	-8.05%
13	North East	BSNL	6,245	5,109	-1,136	-18.19%

Annexure 1.4 (Contd.)

Sl. No.	Name of the Circle/Service Area	Service Provider	Number of PCOs as on 31.03.15	Number of PCOs as on 30.06.15	Net PCO increase/ decrease as on 30.06.15	Percentage Growth/ Decline as on 30.06.15
14	Orissa	BSNL	4,448	4,373	-75	-1.69%
		TTL	229	203	-26	-11.35%
		RCL	98	71	-27	-27.55%
15	Punjab	BSNL	8,743	8,183	-560	-6.41%
		Bharti	137	119	-18	-13.14%
		Quardant	2,610	2,484	-126	-4.83%
		TTL	1,007	808	-199	-19.76%
		RCL	219	178	-41	-18.72%
16	Rajasthan	BSNL	11,569	10,938	-631	-5.45%
		Bharti	217	217	0	0.00%
		S.Shyam	10,457	10,208	-249	-2.38%
		TTL	437	465	28	6.41%
		RCL	939	803	-136	-14.48%
17	Tamilnadu (Including Chennai)	BSNL	87,800	85,441	-2,359	-2.69%
		Bharti	10,255	8,772	-1,483	-14.46%
		TTL	2,039	1,343	-696	-34.13%
		RCL	8,138	7,146	-992	-12.19%
	Tamilnadu	BSNL	74,048	71,787	-2,261	-3.05%
		Bharti	10,255	8,772	-1,483	-14.46%
		TTL	2,039	1,343	-696	-34.13%
		RCL	5,780	5,056	-724	-12.53%
	Chennai	BSNL	13,752	13,654	-98	-0.71%
		Bharti	0	0	0	0.00%
		TTL	0	0	0	0.00%
		RCL	2,358	2,090	-268	-11.37%
18	Uttar Pradesh (East)	BSNL	20,730	17,608	-3,122	-15.06%
		Bharti	189	168	-21	-11.11%
		TTL	195	132	-63	-32.31%
		RCL	443	341	-102	-23.02%
19	Uttar Pradesh - West (Including Uttarakhand)	BSNL	9,167	8,497	-670	-7.31%
		Bharti	150	131	-19	-12.67%
		TTL	634	501	-133	-20.98%
		RCL	394	294	-100	-25.38%
	Uttar Pradesh - West (Excluding Uttarakhand)	BSNL	6,346	5,989	-357	-5.63%
		Bharti	150	131	-19	-12.67%
		TTL	634	501	-133	-20.98%
		RCL	394	294	-100	-25.38%

Annexure 1.4 (Contd.)

Sl. No.	Name of the Circle/Service Area	Service Provider	Number of PCOs as on 31.03.15	Number of PCOs as on 30.06.15	Net PCO increase/ decrease as on 30.06.15	Percentage Growth/ Decline as on 30.06.15
	Uttarakhand	BSNL	2,821	2,508	-313	-11.10%
		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	17,940	15,943	-1,997	-11.13%
		Bharti	0	0	0	0.00%
		TTL	282	233	-49	-17.38%
		RCL	654	518	-136	-20.80%
	West Bengal (Excluding Andaman & Nicobar)	BSNL	17,770	15,788	-1,982	-11.15%
		Bharti	0	0	0	0.00%
		TTL	282	233	-49	-17.38%
		RCL	654	518	-136	-20.80%
	Andaman and Nicobar	BSNL	170	155	-15	-8.82%
		Bharti	0	0	0	0.00%
		TTL	0	0	0	0.00%
		RCL	0	0	0	0.00%
21	Kolkata	BSNL	6,912	6,741	-171	-2.47%
		Bharti	59	56	-3	-5.08%
		TTL	1,077	901	-176	-16.34%
		RCL	689	615	-74	-10.74%
Total			7,36,855	7,01,941	-34,914	-4.74%

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

Sl. No.	Name of the Circle/Service Area	Service Provider	Number of VPTs as on 31.03.15	Number of VPTs as on 30.06.15	Net VPT increase/ decrease as on 30.06.15	Percentage Growth/ Decline as on 30.06.15
1	Andhra Pradesh (Incl. Telangana)	BSNL	25,107	25,107	0	0.00%
		TTL	0	0	0	0.00%
	Andhra Pradesh	BSNL	25,107	25,107	0	0.00%
		TTL	0	0	0	0.00%
	Telangana	BSNL	0	0	0	0.00%
TTL		0	0	0	0.00%	
2	Assam	BSNL	24,692	24,692	0	0.00%
3	Bihar (Incl. Jharkhand)	BSNL	67,762	67,762	0	0.00%
	Bihar	BSNL	38,941	38,941	0	0.00%
	Jharkhand	BSNL	28,821	28,821	0	0.00%
4	Delhi	MTNL	0	0	0	0.00%
		Bharti	0	0	0	0.00%
		TTL	0	0	0	0.00%
		RCL	0	0	0	0.00%
5	Gujarat	BSNL	18,054	18,054	0	0.00%
6	Haryana	BSNL	6,678	6,678	0	0.00%
7	Himachal Pradesh	BSNL	16,390	17,408	1,018	6.21%
8	Jammu & Kashmir	BSNL	6,385	6,385	0	0.00%
9	Karnataka	BSNL	27,451	27,451	0	0.00%
10	Kerala	BSNL	1,321	1,372	51	3.86%
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	40,544	40,654	110	0.27%
		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	40,544	40,654	110	0.27%
		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 31.03.15	Number of VPTs as on 30.06.15	Net VPT increase/ decrease as on 30.06.15	Percentage Growth/ Decline as on 30.06.15
	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	13,109	10	0.08%
14	Orissa	BSNL	45,215	45,215	0	0.00%
15	Punjab	BSNL	12,065	12,065	0	0.00%
		Quadrant	2	2	0	0.00%
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 (Incl. Uttarakhand)	BSNL	38,978	39,088	110	0.28%
	Uttar Pradesh- West (Excl. Uttarakhand)	BSNL	23,707	23,707	0	0.00%
	Uttarakhand	BSNL	15,271	15,381	110	0.72%
20	West Bengal (Including Andaman & Nicobar)	BSNL	37,310	37,310	0	0.00%
	West Bengal (Excluding Andaman & Nicobar)	BSNL	36,958	36,958	0	0.00%
	Andaman and Nicobar	BSNL	352	352	0	0.00%
21	Kolkata	BSNL	613	613	0	0.00%
	Total		5,85,981	5,87,280	1,299	0.22%

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

S.No.	Name of the Service Provider	Narrowband	Broadband	Total
1	Bharti Airtel Ltd.	58,038,884	24,559,552	82,598,436
2	Vodafone	44,759,344	22,076,479	66,835,823
3	Idea Cellular	20,495,337	16,671,982	37,167,319
4	Reliance Communications	25,816,905	9,740,900	35,557,805
5	Bharat Sanchar Nigam Ltd.	14,321,322	18,197,562	32,518,884
6	Aircel	17,538,236	3,424,306	20,962,542
7	Tata	12,932,969	7,411,603	20,344,572
8	Telewings	13,621,889	0	13,621,889
9	Mahanagar Telephone Nigam Ltd.	477,821	1,520,406	1,998,227
10	Sistema Shyam	20,185	1,908,025	1,928,210
11	Videocon	1,748,805	0	1,748,805
12	Quadrant Televentures Ltd.	632,434	180,372	812,806
13	Atria Convergence Technologies Pvt Ltd	0	721,439	721,439
14	You Broadband India Pvt. Ltd.	16,367	465,047	481,414
15	Hathway Cable & Datacom Pvt. Ltd.	11,525	330,292	341,817
16	Tikona Digital Networks Pvt. Ltd.	2,520	276,785	279,305
17	Syscon Infoway Pvt. Ltd.	37,911	106,293	144,204
18	Asianet Satellite Communications Ltd.	0	143,431	143,431
19	D-Vois Broadband Pvt. Ltd.	0	112,570	112,570
20	GTPL Hathway Pvt. Ltd.	2,094	98,011	100,105
21	Alliance Broadband Services Pvt. Ltd.	3,004	80,355	83,359
22	Five Network Solution (India) Ltd.	0	72,263	72,263
23	Siti Cable Network Ltd.	1,913	65,550	67,463
24	Ortel Communication Ltd.	9,495	51,271	60,766
25	Broadband Pacenet (I) Pvt. Ltd.	26	47,479	47,505
26	Honesty Net Solutions (I) Pvt. Ltd.	4,097	41,194	45,291
27	Citycom Networks Pvt. Ltd.	507	40,385	40,892
28	Meghbela Cable & Broadband Services (P) Ltd.	7,064	33,684	40,748
29	Indusind Media & Communications Ltd	3,394	30,427	33,821
30	DEN Networks Ltd.	185	33,123	33,308
31	RailTel Corporation of India Ltd.	6,107	25741	31,848

Annexure 1.6 (contd.)

S.No.	Name of the Service Provider	Narrowband	Broadband	Total
32	Home Systems Pvt. Ltd.	0	27,571	27,571
33	Chandra Net Pvt. Ltd.	923	23,835	24,758
34	Nextra Teleservices Pvt. Ltd.	0	22,274	22,274
35	Wish Net Pvt. Ltd.	0	21,638	21,638
36	Southern Online Bio Technologies Ltd.	7,260	13,675	20,935
37	Limras Eronet Broadband Service Pvt. Ltd.	10,548	9,667	20,215
38	R.K. Infratel Ltd.	1,123	18,943	20,066
39	Rajesh Multi Channel Pvt. Ltd.	1,817	18,100	19,917
40	City Online Services Ltd.	8,995	8,432	17,427
41	Vasai Cable Pvt. Ltd.	0	16,842	16,842
42	Digital Network associates Pvt. Ltd	676	15,747	16,423
43	Noida Software Technology Park Ltd.	0	15,214	15,214
44	Pioneerelabs	372	12,483	12,855
45	World Phone Internet Services Pvt. Ltd	1,248	10,804	12,052
46	Apna Telelink Ltd.	0	11,366	11,366
47	North East Dataa Network Pvt. Ltd.	0	10,338	10,338
48	Quest Consultancy Pvt. Ltd.	0	8,365	8,365
49	SmartLink Broadband Services	0	8,122	8,122
50	Nettlinx Ltd.	0	8,066	8,066
51	Blazenet Ltd.	4,069	3,353	7,422
52	IKF Technologies Ltd.	2,517	4,557	7,074
53	Wan and Lan Internet Pvt. Ltd.	901	6,043	6,944
54	Yashash Cable Network Pvt. Ltd.	0	6,903	6,903
55	Geocity Network Solutions Pvt. Ltd.	1,192	5,039	6,231
56	Ishan Netsol Pvt. Ltd.	5,257	361	5,618
57	Spacenet Internet Services Pvt. Ltd.	0	5,539	5,539
58	Sify Technologies Ltd.	2,461	2,238	4,699
59	Narmada Cyberzone Pvt. Ltd.	1,858	2,812	4,670
60	CJ Online Pvt. Ltd.	0	4,500	4,500
61	Kaizen Infonet Pvt. Ltd.	708	3,585	4,293
62	CJM Consultancy Services Pvt. Ltd.	0	4,036	4,036

Annexure 1.6 (contd.)

S.No.	Name of the Service Provider	Narrowband	Broadband	Total
63	Swiftmail Communications Ltd.	1,283	2,683	3,966
64	Siliguri Internet & Cable TV Pvt. Ltd.	0	3,884	3,884
65	Kappa Internet Services Pvt. Ltd.	1,358	2,357	3,715
66	Intermedia Cable Communication Pvt. Ltd.	32	3,602	3,634
67	Hathway Bhawani Cabletel & Datacom Pvt. Ltd.	0	3,627	3,627
68	Rajesh Patel Net Services Pvt. Ltd.	435	3,084	3,519
69	HCL Comnet Systems & Services Ltd.	3,396	31	3,427
70	Bhupati Hotels Pvt. Ltd.	0	3,256	3,256
71	F/X Wireless Technology Services Pvt. Ltd.	0	2,889	2,889
72	We Internet Ltd.	0	2,873	2,873
73	Shri Omkar Infocom Pvt. Ltd.	15	2,679	2,694
74	United Telecoms Ltd.	251	2,172	2,423
75	Hughes Communications India Ltd.	661	1,583	2,244
76	Readylink Internet Services Pvt. Ltd.	225	1,801	2,026
77	Speed Online.net Pvt. Ltd.	0	1,956	1,956
78	Star Broadband Services (I) Pvt. Ltd.	0	1,697	1,697
79	Capture Network Systems Pvt. Ltd.	210	1,486	1,696
80	Symbois Creations Pvt. Ltd.	65	1447	1,512
81	Multinet (Udaipur) Pvt. Ltd.	0	1,419	1,419
82	Touch Net India Pvt. Ltd.	489	803	1,292
83	Digital2Virtual ISP Pvt. Ltd.	17	1,245	1,262
84	Aeroway Networks Pvt. Ltd.	30	900	930
85	S.S.Netcom Pvt. Ltd.	0	818	818
86	delDSL Internet Pvt. Ltd.	0	754	754
87	Data Infosys Ltd.	30	723	753
88	Sphier Infotech Pvt. Ltd.	0	664	664
89	Rajdhani Telecom Pvt. Ltd.	86	493	579
90	Sab Infotech	0	517	517
91	Bhiwani Communications Pvt. Ltd.	195	320	515

Annexure 1.6 (contd.)

S.No.	Name of the Service Provider	Narrowband	Broadband	Total
92	Primenet Global Ltd.	0	416	416
93	Conjoinix Technologies Pvt. Ltd.	0	310	310
94	Gleam Worldwide Services Pvt. Ltd.	0	295	295
95	Harisree CableNet Pvt. Ltd.	0	272	272
96	Rida Communication Pvt. Ltd.	0	267	267
97	Correl IT Services Pvt. Ltd.	0	264	264
98	ERNET India	176	62	238
99	QBC Infotech Pvt. Ltd.	1	237	238
100	Microsense Pvt. Ltd.	0	231	231
101	Pacific Internet India Pvt. Ltd.	186	0	186
102	Nextgen Communications Ltd.	44	121	165
103	Pulse Telesystems Pvt. Ltd.	0	157	157
104	Khetan Cable Network (P) Ltd.	0	152	152
105	Shri Vinayagaa Internet Pvt. Ltd.	46	88	134
106	Trans Virtual Pvt. Ltd.	32	89	121
107	Gorakhpur Net Services Pvt. Ltd.	0	112	112
108	Sanyog Networks Pvt Ltd	12	58	70
109	Dream Plus Multi Services Pvt. Ltd.	15	52	67
110	Power Grid Corporation of India Ltd.	0	65	65
111	NetMagic Solutions(P) Ltd.	0	63	63
112	STN Communication & Advertising Pvt. Ltd.	9	42	51
113	Adya Tech One Services Pvt. Ltd.	0	49	49
114	AT&T Global Network Services India Pvt. Ltd.	0	44	44
115	Tatanet Services Ltd.	0	42	42
116	Verizon Communications India Pvt. Ltd.	0	40	40
117	Edge Telecommunications Pvt. Ltd.	0	37	37
118	West Bengal Electronics Industry Development Corp. Ltd.	0	35	35
119	Nelco Ltd.	0	27	27
120	VIVA Communications Pvt. Ltd.	0	26	26

Annexure 1.6 (contd.)

S.No.	Name of the Service Provider	Narrowband	Broadband	Total
121	Novanet India Ltd.	18	0	18
122	Reach Network India Pvt. Ltd.	3	15	18
123	Essel Shyam Communications Ltd.	16	0	16
124	Vcare Call Centres India Pvt. Ltd.	0	16	16
125	Airmesh Communications Ltd.	0	15	15
126	Financial Technologies Communications Ltd.	13	0	13
127	Orange Business Services India Network Pvt. Ltd.	0	6	6
128	ABT Ltd.	3	2	5
129	Maple PC & Peripherals Pvt .Ltd .	0	2	2
130	Reliance Jio Infocomm Ltd.	0	1	1
	Total	210,571,617	108,852,448	319,424,065
	Total in Millions	210.57	108.85	319.42

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 which reported IP
Telephony Minutes for Q.E. Jun-15**

S. No.	Name of Service Providers which reported IP Telephony Minutes
1	Alliance Broadband Services Pvt. Ltd.
2	Asianet Satellite Communications Ltd.
3	Blazenet Ltd.
4	City Online Services Ltd.
5	Citycom Networks Pvt. Ltd.
6	Convergent Telecom Pvt. Ltd.
7	Data Infosys Ltd.
8	delDSL Internet Pvt. Ltd.
9	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

SNo.	Operative Area	Service Providers	Subscriber Base	
			31.03.2015	30.06.2015
1	Delhi(Faridabad/ Gurgaon)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	7909	7860
		Procall(Delhi)	0	132
		Total	7909	7992
2	Mumbai(Navi Mumbai)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	8421	8655
		Total	8421	8655
3	Kolkata	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	2299	2166
		Total	2299	2166
4	TN(Chennai)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	6322	6349
		Total	6322	6349
5	Karnataka (Bangalore)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	6668	6973
		Total	6668	6973
6	Andhra Pradesh (Vishakhapatnam)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	4026	4421
		Quick Calls (Hyderabad Urban)	2000	1229
		Total	6026	5650
7	Madhya Pradesh (Indore)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	958	974
		Total	958	974
8	Rajasthan (Jaipur)	Procall	0	563
		Total	0	563
9	Gujarat (Ahmadabad/Surat/Va dodara/ Bharuch/ Kutch/Amrela / Jamnagar)	Arya Omnitalk Radio Trunking Services Pvt.Ltd. (Ahmadabad/Surat/Vadodara/ Bharuch)	5303	5434
		Inative Network Pvt. Ltd. (Ahmadabad/Surat/Vadodara/ Bharuch/ Kutch/Amrela / Jamnagar)	1820	1820
		Total	7123	7254
10	Maharashtra (Pune)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1692	1633
		Total	1692	1633
Grand Total			47418	48209

Annexure 2.1: GSM Service - Service Area wise Statistics for QE Jun-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	95.88	141	26	194	201	395
Gujarat	94.61	117	11	192	165	357
Karnataka	93.42	153	40	199	189	387
MH	94.50	136	34	183	168	351
TN (incl. Chennai)	94.68	132	35	181	191	372

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	96.74	110	20	200	185	385
Kerala	96.11	200	17	205	256	461
MP	97.63	105	14	152	155	307
Punjab	93.07	142	60	214	209	423
Rajasthan	97.47	117	8	162	180	343
UP(E)	98.65	101	10	180	244	424
UP(W)	97.96	104	22	180	199	379
WB	99.07	82	15	164	203	367

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	96.33	130	31	201	273	474
Bihar	99.34	94	5	169	247	416
HP	98.17	117	12	197	185	382
J&K	92.96	156	5	269	240	508
NE	97.56	129	57	177	167	344
Orissa	98.77	90	8	180	211	391

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	92.68	115	17	209	212	421
Delhi	85.62	177	19	236	184	420
Mumbai	82.22	210	45	272	194	466

**Annexure 2.2: CDMA Full Mobility Service - Service Area wise Statistics
for QE Jun-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 SMS	Outgoing MOU	Incoming MOU	Total MOU
MH	89%	77	12	131	102	233
Gujarat	80%	148	8	125	101	225
TN (incl. Chennai)	81%	184	8	93	94	188
Karnataka	83%	150	7	129	124	253
AP	86%	124	12	153	134	287

Key parameters for service areas of Category B

Service Area	% of Prepaid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
WB	99%	51	6	167	160	326
Rajasthan	95%	85	8	227	173	399
UP(E)	96%	55	13	86	91	177
MP	95%	56	21	169	122	290
Kerala	82%	150	6	109	74	183
UP(W)	92%	84	13	109	122	231
Haryana	90%	72	8	180	143	323
Punjab	74%	147	12	184	126	310

Key parameters for service areas of Category C

Service Area	% of Prepaid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
Orissa	91%	87	7	189	137	326
Bihar	97%	48	12	202	154	357
HP	86%	127	6	203	115	318
J&K	59%	149	1	177	114	291
North East			NA			
Assam			NA			

Key parameters for service areas of Category Metro

Service Area	% of Prepaid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
Kolkata	88%	110	6	167	133	300
Delhi	87%	121	6	147	102	249
Mumbai	79%	174	10	79	70	149

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

Performance Monitoring Report on Quality of Service of Cellular Mobile Service Providers for quarter ending, June, 2015																			
Name of Service Area	Name of Service Provider	Network Related Parameters									Customer Service Quality Parameters								
		Network Availability		Connection Establishment (Accessibility)			Connection Maintenance (Retainability)			POI	Metering and billing					Response time to the customer for assistance		Termination / closure of service	
		BTSs Accumulated downtime (not available for service) (%)	Worst affected BTSs due to downtime (%)	Call Set-up Success Rate (within licensee's own network)	SDCCH/ Paging Chl. Congestion (%)	TCH Congestion (%)	Call Drop Rate (%)	Worst affected cells having more than 3% TCH drop (call drop) rate (%)	Connection with good voice quality	Point of interconnection (POI) Congestion (No. of POIs not meeting the benchmark) (Averaged over a period of quarter)	Metering and billing credibility post paid	Metering and billing credibility pre paid	Resolution of billing/charging complaints	Resolution of billing/charging complaints	Period of applying credit/waiver/adjustment to customer's account from the date of resolution of complaints	Accessibility of call centre/customer care	Percentage of calls answered by the operators (voice to voice) within 90 seconds	%age requests for Termination / Closure of service complied within 7 days	Time taken for refund of deposits after closures
		≤ 2%	≤ 2%	≥ 95%	≤ 1%	≤ 2%	≤ 2%	≤ 3%	≥ 95%	≤ 0.5%	≤ 0.1%	≤ 0.1%	98% within 4 weeks	100% within 6 weeks	within 1 week of resolution of complaint	≥ 95%	≥ 95%	100% within 7 days	100% within 60 days
Andhra Pradesh	Aircel	0.17	0.54	98.90	0.09	0.43	1.06	6.11	96.72	0	0.00	0.00	100.00	100.00	100.00	97.39	97.66	100.00	100.00
	Airtel	0.02	0.00	99.33	0.07	0.06	0.31	0.00	99.55	0	0.01	0.00	100.00	100.00	100.00	100.00	91.00	100.00	100.00
	BSNL	1.74	1.97	98.31	0.65	1.58	0.85	2.89	98.33	0	0.00	0.00	100.00	100.00	100.00	98.00	80.00	100.00	100.00
	Idea	0.06	0.05	98.98	0.85	0.81	0.75	2.80	97.55	0	0.08	0.04	100.00	100.00	100.00	99.49	97.59	100.00	100.00
	RCOM CDMA	0.18	0.26	99.06	0.00	0.04	0.15	0.11	99.70	0	0.09	0.02	100.00	100.00	100.00	98.97	88.76	100.00	100.00
	RCOM GSM	0.19	0.19	99.73	0.04	0.06	0.29	0.04	98.89	0	0.10	0.09	100.00	100.00	100.00	99.48	87.11	100.00	100.00
	TATA CDMA	0.08	0.16	99.21	0.00	0.01	0.33	1.12	98.25	0	0.00	0.00	100.00	100.00	100.00	98.79	99.30	100.00	100.00
	TATA GSM	0.08	0.24	98.81	0.17	0.15	0.65	3.19	97.93	0	0.00	0.00	100.00	100.00	100.00	99.43	98.11	100.00	100.00
Telewings	0.14	0.22	98.62	0.15	0.55	0.62	1.46	98.57	0	NA	0.02	100.00	100.00	NA	99.54	99.54	NA	NA	
Vodafone	0.06	0.12	99.77	0.10	0.23	0.47	1.58	98.98	0	0.05	0.04	100.00	100.00	99.81	100.00	94.00	92.50	64.18	
Assam	Aircel	4.38	28.20	93.26	0.96	5.06	1.70	15.46	91.37	0	0.00	0.00	100.00	100.00	100.00	96.56	93.78	100.00	100.00
	Airtel	0.31	1.53	97.03	0.42	1.40	1.06	1.12	98.38	0	0.01	0.00	100.00	100.00	100.00	100.00	88.00	100.00	100.00
	BSNL	1.87	1.91	96.11	0.87	1.21	1.94	2.95	94.39	0	0.01	0.14	100.00	100.00	100.00	97.00	96.00	100.00	100.00
	Idea	1.33	1.76	96.90	0.86	1.25	1.63	1.65	95.45	0	0.01	0.04	100.00	100.00	100.00	98.55	99.52	100.00	100.00
	RTL	0.45	1.48	98.49	0.02	0.08	0.67	0.15	98.32	0	0.09	0.04	100.00	100.00	100.00	98.98	93.42	100.00	100.00
Vodafone	0.65	1.88	99.52	0.16	0.48	0.62	1.52	98.11	0	0.16	0.04	100.00	100.00	99.80	99.98	100.00	100.00	100.00	
Bihar	Aircel	3.07	20.58	89.65	1.00	9.82	1.60	10.59	95.40	0	0.00	0.00	100.00	100.00	100.00	92.15	97.38	100.00	100.00
	Airtel	0.07	0.27	98.46	0.97	1.84	1.68	2.29	95.77	0	0.01	0.00	100.00	100.00	100.00	99.00	45.00	100.00	100.00
	BSNL	11.24	25.16	97.83	0.80	0.97	2.84	8.13	96.62	0	0.00	0.00	98.89	100.00	100.00	99.50	97.01	100.00	100.00
	Idea	0.63	1.84	95.84	0.92	1.91	1.06	2.82	96.77	0	0.02	0.04	100.00	100.00	100.00	98.35	97.49	100.00	100.00
	RCOM CDMA	0.80	1.72	97.11	0.00	0.11	0.39	1.34	99.81	0	0.10	0.07	100.00	100.00	100.00	99.01	87.58	100.00	100.00
	RTL	0.11	0.33	95.73	0.77	0.11	0.46	0.09	97.95	0	0.10	0.07	100.00	100.00	100.00	98.97	95.15	100.00	100.00
	TATA CDMA	0.19	0.00	97.09	0.00	1.14	0.90	4.22	98.21	0	0.00	0.00	100.00	100.00	100.00	99.41	99.16	100.00	100.00
	TATA GSM	0.29	1.45	98.17	0.31	0.61	0.56	2.37	97.36	0	0.00	0.00	100.00	100.00	100.00	95.08	98.28	100.00	100.00
	Telewings	0.29	0.69	96.67	0.68	2.55	0.44	1.22	94.89	0	NA	0.00	100.00	100.00	NA	99.36	99.04	NA	NA
Videocon	1.03	0.00	98.95	0.23	0.42	1.01	1.85	98.62	0	NA	0.00	100.00	100.00	100.00	100.00	95.74	NA	100.00	
Vodafone	0.40	1.33	99.19	0.37	0.81	0.82	0.81	97.86	0	0.01	0.05	100.00	100.00	100.00	100.00	96.48	100.00	100.00	

Annexure 4.1 (Contd.)

Chennai	Airtel	0.03	0.12	99.69	0.05	0.12	0.28	0.88	99.42	0	0.01	0.00	100.00	100.00	100.00	100.00	87.00	100.00	100.00	
	BSNL	0.51	1.85	97.65	0.68	1.80	0.68	1.81	99.99	0	0.02	0.02	99.00	100.00	100.00	100.00	89.11	100.00	100.00	
	Idea	0.02	0.00	99.76	0.07	0.06	0.18	0.48	98.64	0	Incl. In TN									
	RCOM CDMA	0.30	0.60	98.99	0.00	0.01	0.08	0.05	99.75	0	Incl. In TN									
	RCOM GSM	0.27	0.40	99.79	0.01	0.03	0.22	0.04	99.09	0	Incl. In TN									
	Vodafone	0.02	0.10	99.85	0.04	0.15	0.47	1.27	99.06	0	0.03	0.03	100.00	100.00	98.67	100.00	96.13	100.00	89.70	
Delhi	Airtel	0.42	1.80	97.40	0.77	1.43	1.11	6.87	97.23	0	0.00	0.00	100.00	100.00	100.00	97.92	96.98	100.00	100.00	
	Airtel	0.01	0.00	99.84	0.04	0.07	0.51	0.59	99.37	0	0.02	0.00	100.00	100.00	100.00	100.00	81.00	100.00	100.00	
	Idea	0.01	0.00	99.78	0.73	1.69	0.59	2.44	98.61	0	0.08	0.03	99.97	100.00	100.00	99.29	99.32	99.98	99.35	
	MTS	0.10	0.00	98.96	0.00	0.11	0.57	0.88	99.20	0	0.00	0.00	100.00	100.00	100.00	97.02	98.62	100.00	100.00	
	TATA CDMA	0.04	0.02	99.07	0.00	0.12	0.37	2.65	99.14	0	0.00	0.00	100.00	100.00	100.00	99.23	98.03	100.00	100.00	
	Vodafone	0.13	0.59	99.43	0.04	0.11	1.04	2.27	97.31	0	0.15	0.06	99.98	100.00	99.93	100.00	98.25	100.00	100.00	
	MTNL CDMA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	MTNL GSM	0.17	0.83	96.98	0.59	1.78	1.84	2.50	96.95	0	0.05	0.01	100.00	100.00	100.00	95.01	97.99	100.00	100.00	
	RCOM CDMA	0.37	0.78	96.75	0.00	0.10	0.50	2.30	99.78	0	0.09	0.06	100.00	100.00	100.00	98.43	99.03	100.00	100.00	
	RCOM GSM	0.34	0.41	99.44	0.05	0.11	0.33	0.12	98.62	0	0.09	0.09	100.00	100.00	100.00	97.89	98.93	100.00	100.00	
Gujarat	Airtel	0.04	0.00	99.14	0.06	0.04	0.37	2.09	97.51	0	0.00	0.00	100.00	100.00	100.00	96.54	98.38	100.00	100.00	
	Airtel	0.09	0.28	99.64	0.07	0.49	0.62	0.89	97.07	0	0.01	0.00	100.00	100.00	100.00	100.00	90.00	100.00	100.00	
	BSNL	1.77	1.65	96.94	0.13	0.54	0.88	2.78	100.00	0	0.02	0.00	100.00	100.00	100.00	97.09	96.41	100.00	100.00	
	Idea	0.08	0.29	99.09	0.51	0.51	0.86	0.98	96.56	0	0.07	0.06	99.99	100.00	100.00	98.85	99.20	100.00	100.00	
	MTS	0.07	0.00	99.50	0.00	0.00	0.02	0.25	99.13	0	0.00	0.00	100.00	100.00	100.00	95.67	97.07	100.00	100.00	
	RCOM CDMA	0.32	0.33	98.99	0.00	0.01	0.15	0.25	99.82	0	0.09	0.04	100.00	100.00	100.00	98.23	85.15	100.00	100.00	
	RCOM GSM	0.31	0.40	99.45	0.02	0.23	0.29	0.03	98.72	0	0.09	0.09	100.00	100.00	100.00	98.63	83.39	100.00	100.00	
	TATA CDMA	0.03	0.00	98.67	0.00	0.35	0.57	5.34	99.36	0	0.00	0.00	100.00	100.00	100.00	97.33	96.94	100.00	100.00	
	TATA GSM	0.13	0.15	98.26	0.04	0.05	0.72	3.87	98.88	0	0.00	0.00	100.00	100.00	100.00	98.93	98.57	100.00	100.00	
	Telewings	0.20	0.67	97.85	0.22	0.53	0.17	1.65	98.12	0	NA	0.00	100.00	100.00	NA	99.60	99.15	NA	NA	
	Videocon	0.10	0.29	99.08	0.10	0.08	0.44	1.00	97.61	0	NA	0.00	100.00	100.00	100.00	100.00	95.80	NA	100.00	
	Vodafone	0.09	0.16	99.30	0.34	0.70	0.75	2.30	97.30	0	0.08	0.02	100.00	100.00	100.00	100.00	97.96	100.00	100.00	
Haryana	Airtel	0.17	0.00	99.48	0.12	0.00	6.37	4.31	99.30	0	0.00	0.00	100.00	100.00	100.00	96.66	99.91	100.00	100.00	
	Airtel	0.06	0.02	99.31	0.14	0.13	0.21	0.55	99.07	0	0.02	0.00	100.00	100.00	100.00	96.00	96.00	100.00	100.00	
	BSNL	1.31	1.30	97.68	0.27	0.89	1.35	2.09	97.28	0	0.09	0.02	100.00	100.00	100.00	100.00	76.63	100.00	100.00	
	Idea	0.02	0.03	99.97	0.42	0.45	0.52	1.56	98.16	0	0.06	0.07	100.00	100.00	100.00	99.39	99.38	100.00	100.00	
	RCOM CDMA	0.46	0.73	98.71	0.00	0.07	0.07	0.18	99.75	0	0.08	0.08	100.00	100.00	100.00	99.26	97.13	100.00	100.00	
	RCOM GSM	0.50	1.44	99.69	0.04	0.03	0.17	0.07	99.30	0	0.10	0.09	100.00	100.00	100.00	99.41	94.82	100.00	100.00	
	TATA CDMA	0.18	0.17	97.41	0.00	0.18	0.49	4.36	96.14	0	0.00	0.00	100.00	100.00	100.00	96.67	99.18	100.00	100.00	
	TATA GSM	0.15	0.48	97.62	0.16	1.31	0.81	3.93	97.06	0	0.00	0.00	100.00	100.00	100.00	99.19	98.98	100.00	100.00	
	Videocon	0.25	0.35	98.82	0.10	0.06	0.48	0.81	97.28	0	NA	0.00	100.00	100.00	100.00	100.00	95.48	NA	100.00	
	Vodafone	0.04	0.05	99.69	0.14	0.31	0.62	0.35	97.69	0	0.05	0.07	100.00	100.00	100.00	100.00	98.87	100.00	100.00	

Annexure 4.1 (Contd.)

Himachal Pradesh	Aircel	0.30	1.42	99.25	0.17	0.56	1.24	11.77	95.56	0	0.00	0.00	100.00	100.00	100.00	99.46	97.64	100.00	100.00
	Airtel	0.05	0.00	99.18	0.15	0.10	0.42	1.27	98.85	0	0.03	0.00	100.00	100.00	100.00	100.00	94.00	100.00	100.00
	BSNL	1.87	1.96	98.36	0.65	1.78	1.53	2.87	96.33	0	0.00	0.02	100.00	100.00	100.00	100.00	73.11	100.00	100.00
	Idea	0.10	0.00	98.91	0.11	0.44	1.22	2.44	96.05	0	0.03	0.02	100.00	100.00	100.00	99.11	98.49	100.00	100.00
	RCOM CDMA	0.33	0.47	98.55	0.00	0.11	0.08	0.24	99.77	0	0.09	0.08	100.00	100.00	100.00	99.36	96.05	100.00	100.00
	RTL	0.20	0.60	98.69	0.03	0.07	0.59	0.13	98.12	0	0.08	0.09	100.00	100.00	100.00	98.96	94.33	100.00	100.00
	TATA CDMA	0.08	0.00	98.30	0.00	0.09	0.42	3.20	98.15	0	0.00	0.00	100.00	100.00	100.00	100.00	99.35	100.00	100.00
	TATA GSM	0.00	0.00	98.69	0.00	0.00	1.45	11.68	97.94	0	0.00	0.00	100.00	100.00	100.00	99.23	99.79	100.00	100.00
Vodafone	0.04	0.00	99.09	0.04	0.15	0.60	2.12	97.81	0	0.05	0.08	100.00	100.00	100.00	100.00	99.77	100.00	100.00	
Jammu & Kashmir	Aircel	0.98	7.62	95.83	2.95	3.63	1.40	9.53	94.82	0	0.00	0.00	100.00	100.00	100.00	95.18	96.38	100.00	100.00
	Airtel	0.14	0.30	98.09	0.98	0.26	0.47	1.32	98.12	0	0.01	0.00	100.00	100.00	100.00	99.00	82.00	100.00	100.00
	BSNL	0.54	0.55	96.62	0.57	1.39	1.49	2.07	98.17	0	0.04	0.03	100.00	100.00	100.00	100.00	67.00	100.00	100.00
	Idea	0.56	1.87	98.39	0.20	1.20	1.67	2.43	96.72	0	0.04	0.05	100.00	100.00	100.00	97.88	99.07	100.00	100.00
	RCOM GSM	0.58	1.48	99.56	0.02	0.03	0.44	0.11	98.81	0	0.09	0.09	100.00	100.00	100.00	98.76	90.61	100.00	100.00
	Vodafone	1.61	15.72	97.66	0.31	1.01	0.78	1.14	98.13	0	0.04	0.11	100.00	100.00	100.00	100.00	99.56	100.00	100.00
Karnataka	Aircel	0.40	1.64	98.84	0.18	0.55	1.29	7.92	96.49	0	0.00	0.00	100.00	100.00	100.00	96.99	96.98	100.00	100.00
	Airtel	0.27	1.09	98.97	0.32	0.30	0.51	0.62	99.31	0	0.01	0.00	100.00	100.00	100.00	100.00	40.00	100.00	100.00
	BSNL	1.36	1.88	98.61	0.14	0.41	0.89	2.72	96.86	0	0.02	0.01	100.00	100.00	100.00	99.00	96.58	100.00	100.00
	Idea	0.13	0.42	98.23	0.34	0.29	0.65	2.48	96.31	0	0.03	0.02	100.00	100.00	100.00	99.13	99.42	100.00	100.00
	MTS	0.18	0.00	99.36	0.00	0.04	0.42	1.21	99.16	0	0.00	0.00	100.00	100.00	100.00	98.74	95.92	100.00	100.00
	RCOM CDMA	0.53	1.21	97.41	0.00	0.04	0.17	0.07	99.76	0	0.09	0.02	100.00	100.00	100.00	97.84	88.75	100.00	100.00
	RCOM GSM	0.49	1.14	99.60	0.05	0.10	0.22	0.06	98.78	0	0.09	0.09	100.00	100.00	100.00	99.00	80.23	100.00	100.00
	TATA CDMA	0.25	0.76	98.77	0.00	0.02	0.36	2.06	98.59	0	0.00	0.00	100.00	100.00	100.00	99.20	97.49	100.00	100.00
	TATA GSM	0.15	0.60	98.45	0.08	0.19	0.78	4.81	97.63	0	0.00	0.00	100.00	100.00	100.00	99.47	96.87	100.00	100.00
Vodafone	0.13	0.38	99.91	0.05	0.09	0.55	1.86	98.78	0	0.14	0.09	100.00	100.00	100.00	100.00	95.40	100.00	100.00	
Kerala	Aircel	0.42	1.16	99.75	0.03	0.02	0.70	3.29	99.08	0	0.00	0.00	100.00	100.00	100.00	98.95	97.27	100.00	100.00
	Airtel	0.01	0.00	99.75	0.09	0.10	0.32	1.06	99.18	0	0.01	0.00	100.00	100.00	100.00	100.00	77.00	100.00	100.00
	BSNL	0.92	0.90	98.13	0.33	1.62	0.65	2.02	99.91	0	0.02	0.04	99.92	100.00	100.00	98.00	95.70	100.00	100.00
	Idea	0.18	0.36	99.77	0.39	1.37	0.71	2.29	95.07	0	0.14	0.08	100.00	100.00	100.00	99.48	98.92	100.00	66.94
	MTS	0.06	0.00	99.58	0.00	0.00	0.54	2.86	99.18	0	0.00	0.00	100.00	100.00	100.00	99.30	97.52	100.00	100.00
	RCOM CDMA	0.23	0.22	99.15	0.00	0.01	0.05	0.09	99.72	0	0.09	0.03	100.00	100.00	100.00	99.23	95.10	100.00	100.00
	RCOM GSM	0.15	0.06	99.63	0.01	0.07	0.22	0.05	99.10	0	0.09	0.09	100.00	100.00	100.00	99.05	60.08	100.00	100.00
	TATA CDMA	0.02	0.00	98.63	0.00	0.03	0.68	6.61	99.15	0	0.00	0.00	100.00	100.00	100.00	99.10	98.50	100.00	100.00
	TATA GSM	0.10	0.00	98.92	0.02	0.04	0.63	3.00	98.29	0	0.00	0.00	100.00	100.00	100.00	99.18	97.51	100.00	100.00
Vodafone	0.08	0.50	99.71	0.10	0.29	0.59	0.61	97.72	0	0.10	0.05	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
Kolkata	Aircel	0.46	2.32	98.07	0.84	0.96	0.72	2.42	97.35	0	0.00	0.00	100.00	100.00	100.00	93.90	76.88	100.00	100.00
	Airtel	0.04	0.00	99.66	0.13	0.24	0.85	2.37	96.79	0	0.02	0.00	100.00	100.00	100.00	100.00	86.00	100.00	100.00
	BSNL	7.99	28.74	99.39	0.53	0.53	0.49	2.68	99.47	0	0.01	0.00	98.00	100.00	100.00	95.00	96.28	100.00	100.00
	Idea	0.14	0.34	99.56	0.05	0.20	0.20	0.20	97.66	0	0.10	0.05	100.00	100.00	100.00	99.08	97.29	100.00	100.00
	MTS	0.13	0.00	99.83	0.00	0.00	0.50	1.36	99.85	0	0.00	0.00	100.00	100.00	100.00	96.02	95.55	100.00	100.00
	RCOM CDMA	0.24	0.73	97.82	0.00	0.08	0.25	1.15	99.74	0	0.09	0.04	100.00	100.00	100.00	99.31	99.83	100.00	100.00
	RTL	0.19	0.06	99.42	0.06	0.02	0.40	0.06	98.14	0	0.09	0.09	100.00	100.00	100.00	98.96	51.15	100.00	100.00
	TATA CDMA	0.14	0.24	99.03	0.00	0.19	0.63	2.02	99.21	0	0.00	0.00	100.00	100.00	100.00	99.40	97.53	100.00	100.00
	TATA GSM	0.23	0.09	98.50	0.10	0.06	0.77	2.97	97.86	0	0.00	0.00	100.00	100.00	100.00	97.60	96.33	100.00	100.00
Vodafone	0.07	0.30	99.66	0.08	0.34	0.75	2.04	96.84	0	0.03	0.05	100.00	100.00	100.00	100.00	98.01	100.00	50.52	

Annexure 4.1 (Contd.)

Madhya Pradesh	Aircel	0.47	0.78	98.52	0.37	0.00	0.62	1.04	99.33	0	0.00	0.00	100.00	100.00	100.00	98.02	97.63	100.00	100.00
	Airtel	0.15	0.26	99.60	0.06	0.43	0.60	1.46	97.73	0	0.02	0.00	100.00	100.00	100.00	100.00	97.00	100.00	100.00
	BSNL	1.90	1.54	95.75	0.73	1.74	1.68	2.53	96.83	0	0.01	0.06	100.00	100.00	100.00	99.00	99.84	100.00	100.00
	Idea	0.56	1.47	97.86	0.76	1.54	0.79	1.88	97.16	0	0.03	0.04	100.00	100.00	100.00	97.97	98.02	100.00	100.00
	RCOM CDMA	0.48	1.24	99.26	0.00	0.00	0.10	0.64	99.84	0	0.09	0.07	100.00	100.00	100.00	98.65	99.15	100.00	100.00
	RTL	0.22	0.48	98.92	0.03	0.18	0.50	0.04	97.87	0	0.09	0.09	100.00	100.00	100.00	98.93	91.68	100.00	100.00
	TATA CDMA	0.09	0.08	98.56	0.00	0.60	0.39	5.23	99.25	0	0.00	0.00	100.00	100.00	100.00	98.09	98.65	100.00	100.00
	TATA GSM	0.03	0.00	98.56	0.05	0.05	0.59	2.80	98.81	0	0.00	0.00	100.00	100.00	100.00	98.52	98.66	100.00	100.00
	Vodafone	0.30	1.25	98.88	0.15	0.22	0.54	1.30	98.44	0	NA	0.00	100.00	100.00	100.00	100.00	95.83	NA	100.00
Maharashtra	Aircel	0.13	0.15	99.27	0.16	0.08	0.82	4.22	96.69	0	0.05	0.01	100.00	100.00	100.00	98.32	96.97	100.00	100.00
	Airtel	0.01	0.00	99.87	0.04	0.08	0.46	0.11	98.84	0	0.02	0.00	100.00	100.00	100.00	100.00	63.00	100.00	100.00
	BSNL	1.92	1.92	95.25	0.82	1.87	1.52	2.37	95.57	0	0.00	0.02	100.00	100.00	100.00	100.00	100.00	100.00	100.00
	Idea	0.10	0.27	97.93	0.77	1.34	0.99	1.05	97.45	0	0.06	0.02	100.00	100.00	100.00	99.06	99.50	100.00	100.00
	RCOM CDMA	0.48	1.60	97.66	0.00	0.04	0.28	1.01	99.79	0	0.09	0.08	100.00	100.00	100.00	99.49	52.67	100.00	100.00
	RCOM GSM	0.37	1.04	99.57	0.03	0.06	0.25	0.06	98.80	0	0.09	0.09	100.00	100.00	100.00	99.40	43.48	100.00	100.00
	TATA CDMA	0.07	0.00	97.87	0.00	0.66	0.99	4.91	99.68	0	0.00	0.00	100.00	100.00	100.00	99.12	99.51	100.00	100.00
	TATA GSM	0.04	0.00	99.63	0.09	0.10	0.65	4.92	97.34	0	0.00	0.00	100.00	100.00	100.00	97.32	98.88	100.00	100.00
	Telewings	0.27	1.15	97.97	0.10	0.24	0.18	1.22	97.89	0	NA	0.00	100.00	100.00	NA	99.54	99.62	NA	NA
Vodafone	0.18	0.41	99.38	0.35	0.62	0.66	1.08	97.44	0	0.06	0.05	100.00	100.00	100.00	99.98	98.86	100.00	89.67	
Mumbai	Aircel	0.10	0.27	98.11	0.12	0.83	0.92	5.85	97.30	0	0.00	0.00	100.00	100.00	100.00	99.19	97.08	100.00	100.00
	Airtel	0.00	0.00	99.97	0.00	0.00	0.29	0.04	99.66	0	0.01	0.00	99.73	100.00	100.00	100.00	82.00	100.00	100.00
	Idea	0.08	0.03	98.93	0.31	0.71	1.24	2.00	96.22	0	0.07	0.07	100.00	100.00	100.00	99.02	99.25	100.00	100.00
	RCOM CDMA	0.27	0.34	97.99	0.00	0.03	0.80	0.10	99.76	0	0.09	0.03	100.00	100.00	100.00	97.80	79.08	100.00	100.00
	RCOM GSM	0.15	0.11	99.54	0.03	0.06	0.33	0.07	98.95	0	0.09	0.09	100.00	100.00	100.00	98.98	79.04	100.00	100.00
	TATA CDMA	0.05	0.00	98.99	0.00	0.03	0.59	3.32	99.10	0	0.00	0.00	100.00	100.00	100.00	99.50	97.71	100.00	100.00
	TATA GSM	0.06	0.07	99.41	0.11	0.15	0.54	3.05	97.71	0	0.00	0.00	100.00	100.00	100.00	99.39	98.85	100.00	100.00
	Vodafone	0.03	0.00	99.23	0.04	0.77	1.14	1.50	96.76	0	0.27	0.08	100.00	100.00	100.00	99.98	97.74	100.00	100.00
	MTNL CDMA	0.32	0.51	97.81	0.85	0.02	1.02	1.20	96.28	0	NR	NR	NR	NR	NR	NR	NR	NR	NR
MTNL GSM	0.63	1.31	98.76	0.46	0.06	1.32	2.19	95.45	0	0.06	0.01	98.68	100.00	100.00	95.57	95.57	100.00	100.00	
North East	Aircel	8.52	48.80	93.28	0.82	5.45	1.76	16.78	93.11	0	0.00	0.00	100.00	100.00	100.00	95.68	99.38	100.00	100.00
	Airtel	0.66	1.41	97.13	0.68	0.59	0.95	0.83	98.84	0	0.00	0.00	100.00	100.00	100.00	100.00	92.00	100.00	100.00
	BSNL	2.75	8.63	95.51	3.01	4.44	3.52	8.30	92.06	0	0.05	0.02	97.33	97.67	100.00	97.00	96.52	100.00	100.00
	Idea	1.57	1.63	96.70	0.65	1.34	1.63	1.87	95.35	0	0.00	0.03	100.00	100.00	100.00	100.00	99.69	100.00	100.00
	RTL	0.46	1.42	98.50	0.02	0.23	0.60	0.14	98.25	0	0.09	0.04	100.00	100.00	100.00	97.91	97.31	100.00	100.00
	Vodafone	1.48	1.92	99.42	0.16	0.58	0.69	2.40	98.22	0	0.09	0.02	100.00	100.00	100.00	99.99	100.00	100.00	100.00
Orissa	Aircel	1.76	11.64	97.78	0.87	1.88	1.36	11.28	95.40	0	0.00	0.00	100.00	100.00	100.00	97.68	99.75	100.00	100.00
	Airtel	0.10	0.02	98.75	0.55	1.84	0.86	0.99	96.11	0	0.01	0.00	100.00	100.00	100.00	100.00	98.00	100.00	100.00
	BSNL	1.59	1.93	98.73	0.68	1.27	1.82	2.80	97.87	0	0.00	0.04	100.00	100.00	100.00	96.00	95.00	100.00	100.00
	Idea	0.26	1.11	96.59	0.20	0.68	0.28	0.76	96.52	0	0.01	0.04	100.00	100.00	100.00	98.55	98.33	100.00	100.00
	RCOM CDMA	0.47	1.05	99.68	0.00	0.00	0.30	2.49	99.78	0	0.07	0.04	100.00	100.00	100.00	98.68	99.67	100.00	100.00
	RTL	0.10	0.21	98.41	0.23	0.72	0.54	0.14	98.28	0	0.09	0.08	100.00	100.00	100.00	98.89	73.88	100.00	100.00
	TATA CDMA	0.20	0.00	98.72	0.00	0.04	0.54	3.47	98.25	0	0.00	0.00	100.00	100.00	100.00	99.37	98.28	100.00	100.00
	TATA GSM	0.09	0.05	98.75	0.19	0.56	0.38	1.07	97.58	0	0.00	0.00	100.00	100.00	100.00	96.09	98.31	100.00	100.00
Vodafone	0.16	0.62	99.63	0.20	0.37	0.61	1.37	98.62	0	0.06	0.07	100.00	100.00	100.00	99.97	98.75	100.00	17.76	

Annexure 4.1 (Contd.)

Punjab	Aircel	0.14	0.22	98.15	0.17	1.02	0.60	2.81	97.27	0	0.00	0.00	100.00	100.00	100.00	98.03	96.77	100.00	100.00	
	Airtel	0.06	0.03	99.49	0.08	0.07	0.29	0.62	98.73	0	0.02	0.00	100.00	100.00	100.00	100.00	91.00	100.00	100.00	
	BSNL	0.67	1.96	97.08	0.88	1.08	1.69	19.17	95.63	1	0.06	0.00	100.00	100.00	100.00	100.00	65.03	100.00	100.00	
	Idea	0.05	0.05	98.84	0.07	0.16	0.47	0.39	98.15	0	0.06	0.03	100.00	100.00	100.00	99.89	99.45	99.98	100.00	
	QTL cdma	0.61	0.00	98.77	0.43	0.75	0.64	0.17	97.91	0	0.00	0.00	100.00	100.00	100.00	97.00	96.00	100.00	100.00	
	QTL gsm	0.11	0.27	98.35	0.07	0.29	0.75	1.21	96.60	1	0.00	0.10	100.00	100.00	100.00	100.00	95.85	100.00	100.00	
	RCOM CDMA	0.16	0.11	98.68	0.00	0.00	0.06	0.27	99.71	0	0.08	0.09	100.00	100.00	100.00	98.97	95.94	100.00	100.00	
	RCOM GSM	0.16	0.36	99.64	0.02	0.03	0.20	0.07	98.98	0	0.09	0.09	100.00	100.00	100.00	98.53	94.91	100.00	100.00	
	TATA CDMA	0.05	0.25	98.75	0.00	0.08	0.40	4.36	99.07	0	0.00	0.00	100.00	100.00	100.00	99.49	98.99	100.00	100.00	
	TATA GSM	0.06	0.10	99.01	0.02	0.14	0.63	3.58	97.37	0	0.00	0.00	100.00	100.00	100.00	99.22	98.56	100.00	100.00	
Vodafone	0.04	0.01	99.86	0.02	0.14	0.51	1.11	98.07	0	0.19	0.17	100.00	100.00	100.00	100.00	99.65	100.00	100.00		
Rajasthan	Aircel	0.17	0.70	97.31	0.34	0.55	0.74	3.24	96.99	0	0.00	0.00	100.00	100.00	100.00	98.13	97.11	100.00	100.00	
	Airtel	0.11	0.14	98.63	0.23	0.51	0.76	1.08	99.09	0	0.01	0.00	100.00	100.00	100.00	100.00	92.00	100.00	100.00	
	BSNL	1.59	1.76	98.64	0.51	1.40	1.32	1.90	98.56	0	0.05	0.49	99.89	100.00	100.00	97.65	74.51	100.00	100.00	
	Idea	0.09	0.10	99.31	0.27	0.41	0.82	1.71	96.40	0	0.05	0.08	100.00	100.00	100.00	98.99	98.92	100.00	100.00	
	MTS	0.09	0.00	99.15	0.00	0.15	0.30	0.45	99.17	0	0.00	0.00	100.00	100.00	100.00	97.37	97.51	100.00	100.00	
	RCOM CDMA	0.18	0.04	98.69	0.00	0.02	0.13	0.65	99.72	0	0.09	0.08	100.00	100.00	100.00	97.94	99.59	100.00	100.00	
	RCOM GSM	0.16	0.05	99.66	0.02	0.05	0.29	0.09	98.75	0	0.09	0.09	100.00	100.00	100.00	98.99	99.83	100.00	100.00	
	TATA CDMA	0.13	0.00	98.31	0.00	0.78	0.51	5.78	98.81	0	0.00	0.00	100.00	100.00	100.00	98.05	98.34	100.00	100.00	
TATA GSM	0.23	0.00	98.38	0.08	0.09	0.74	4.11	98.79	0	0.00	0.00	100.00	100.00	100.00	98.50	98.78	100.00	100.00		
Vodafone	0.06	0.19	99.75	0.19	0.25	0.70	0.55	97.14	0	0.16	0.29	100.00	100.00	100.00	100.00	97.68	100.00	100.00		
Tamil Nadu	Aircel	0.38	1.30	98.71	0.50	0.85	1.10	5.93	96.18	0	0.00	0.00	100.00	100.00	100.00	96.78	97.23	100.00	100.00	
	Airtel	0.02	0.02	99.75	0.13	0.25	0.34	1.39	99.44	0	0.01	0.00	100.00	100.00	100.00	100.00	87.00	100.00	100.00	
	BSNL	0.70	1.81	98.87	0.18	0.53	0.98	2.21	96.94	0	0.02	0.01	100.00	100.00	100.00	100.00	91.00	100.00	100.00	
	Idea	0.03	0.00	99.62	0.08	0.11	0.16	0.61	98.14	0	0.06	0.18	100.00	100.00	100.00	99.09	99.29	100.00	100.00	
	MTS	0.06	0.05	99.51	0.00	0.02	0.40	1.97	99.19	0	0.00	0.00	100.00	100.00	100.00	98.70	95.15	100.00	100.00	
	RCOM CDMA	Incl. In CHN										0.09	0.03	100.00	100.00	100.00	98.31	96.43	100.00	100.00
	RCOM GSM	Incl. In CHN										0.09	0.09	100.00	100.00	100.00	99.12	95.38	100.00	100.00
	TATA CDMA	0.07	0.00	98.83	0.00	0.06	0.40	2.94	98.84	0	0.00	0.00	100.00	100.00	100.00	99.53	98.58	100.00	100.00	
TATA GSM	0.09	0.20	99.50	0.05	0.02	0.62	2.97	98.82	0	0.00	0.00	100.00	100.00	100.00	99.38	95.97	100.00	100.00		
Vodafone	0.06	0.33	99.56	0.22	0.44	0.59	0.53	97.76	0	0.04	0.02	100.00	100.00	99.64	100.00	94.60	100.00	87.66		
UPE	Aircel	0.18	0.55	98.52	0.78	1.84	0.59	2.58	96.94	0	0.00	0.00	100.00	100.00	100.00	98.21	92.63	100.00	100.00	
	Airtel	0.30	1.18	98.95	0.38	0.27	0.46	2.77	98.37	0	0.02	0.00	99.78	100.00	100.00	100.00	90.00	100.00	100.00	
	BSNL	1.77	1.81	98.00	0.74	1.67	1.65	2.23	96.50	0	0.09	0.07	98.70	100.00	100.00	96.86	96.84	100.00	100.00	
	Idea	0.39	1.59	96.10	0.91	1.86	1.14	2.75	96.95	0	0.05	0.05	100.00	100.00	100.00	99.88	99.84	100.00	100.00	
	RCOM CDMA	0.48	1.40	97.60	0.00	0.07	0.34	1.88	99.83	0	0.09	0.08	100.00	100.00	100.00	97.45	96.13	100.00	100.00	
	RCOM GSM	0.19	0.27	99.37	0.05	0.11	0.21	0.05	98.80	0	0.07	0.09	100.00	100.00	100.00	98.69	90.85	100.00	100.00	
	TATA CDMA	0.10	0.00	97.89	0.00	0.34	0.60	5.54	99.20	0	0.00	0.00	100.00	100.00	100.00	99.60	99.19	100.00	100.00	
	TATA GSM	0.18	0.71	95.99	0.50	2.16	0.94	5.46	96.91	0	0.00	0.00	100.00	100.00	100.00	98.78	98.59	100.00	100.00	
	Telewings	0.53	1.89	97.67	0.60	1.16	0.52	1.32	93.79	0	NA	0.04	100.00	100.00	NA	98.91	99.11	NA	NA	
	Videocon	0.27	0.00	99.06	0.50	0.43	0.75	0.76	99.23	0	NA	0.00	100.00	100.00	100.00	100.00	96.56	NA	100.00	
Vodafone	0.14	0.41	98.39	0.34	1.61	0.75	0.57	96.53	2	0.08	0.02	100.00	100.00	100.00	100.00	97.70	100.00	100.00		

Annexure 4.1 (Contd.)

UPW	Aircel	0.19	0.81	98.19	0.22	0.88	0.34	2.64	95.96	0	0.00	0.00	100.00	100.00	100.00	98.42	97.77	100.00	100.00
	Airtel	1.10	1.59	98.17	0.62	0.78	0.93	2.50	97.81	0	0.02	0.00	100.00	100.00	100.00	100.00	95.00	100.00	100.00
	BSNL	0.88	1.81	97.71	0.57	1.32	1.27	1.94	96.56	0	0.01	0.00	100.00	100.00	100.00	100.00	96.00	99.90	100.00
	Idea	0.07	0.06	97.71	0.98	1.85	1.17	2.40	96.83	0	0.09	0.00	100.00	100.00	100.00	99.00	99.27	100.00	100.00
	MTS	0.03	0.00	99.63	0.00	0.00	0.41	2.14	99.20	0	0.00	0.00	100.00	100.00	100.00	97.80	97.70	100.00	100.00
	RCOM CDMA	0.55	1.45	99.04	0.00	0.01	0.22	1.24	99.78	0	0.09	0.08	100.00	100.00	100.00	97.50	95.62	100.00	100.00
	RCOM GSM	0.32	0.70	99.58	0.03	0.06	0.19	0.06	98.78	0	0.09	0.09	100.00	100.00	100.00	97.73	93.29	100.00	100.00
	TATA CDMA	0.07	0.00	98.82	0.00	0.10	0.48	3.52	98.88	0	0.00	0.00	100.00	100.00	100.00	99.28	99.10	100.00	100.00
	TATA GSM	0.19	0.81	97.85	0.26	0.84	0.85	4.20	97.16	0	0.00	0.00	100.00	100.00	100.00	98.99	98.94	100.00	100.00
	Telewings	0.28	0.39	98.37	0.58	1.06	0.50	1.36	95.88	0	NA	0.01	100.00	100.00	NA	98.93	99.19	NA	NA
	Videocon	0.23	0.00	99.57	0.04	0.11	0.73	0.00	99.38	0	NA	0.00	100.00	100.00	100.00	100.00	96.27	NA	100.00
Vodafone	0.29	1.12	99.11	0.43	0.89	0.69	1.02	96.73	0	0.14	0.24	100.00	100.00	100.00	100.00	97.63	100.00	100.00	
West Bengal	Aircel	2.58	16.94	97.17	1.90	1.66	1.35	8.74	95.80	0	0.00	0.00	100.00	100.00	100.00	73.53	84.29	100.00	100.00
	Airtel	0.05	0.06	98.49	0.74	1.05	1.04	1.86	95.58	0	0.01	0.00	100.00	100.00	100.00	100.00	86.00	100.00	100.00
	BSNL	4.87	25.70	97.79	2.25	1.41	1.38	7.34	96.31	0	0.01	0.07	99.24	100.00	100.00	97.75	97.54	100.00	100.00
	Idea	0.25	1.26	98.53	0.15	0.40	0.33	0.39	97.33	0	0.03	0.03	100.00	100.00	100.00	98.62	98.63	100.00	100.00
	MTS	0.32	0.00	99.37	0.00	0.42	0.63	1.99	99.68	0	0.00	0.00	100.00	100.00	100.00	98.28	96.82	100.00	100.00
	RCOM CDMA	0.47	1.27	96.87	0.00	0.24	0.31	0.47	99.68	0	0.09	0.06	100.00	100.00	100.00	99.48	99.83	100.00	100.00
	RTL	0.37	1.04	98.74	0.05	0.22	0.59	0.08	98.35	0	0.09	0.09	100.00	100.00	100.00	98.98	42.18	100.00	100.00
	TATA CDMA	0.04	0.00	97.87	0.00	0.10	0.74	4.95	98.03	0	0.00	0.00	100.00	100.00	100.00	99.62	99.10	100.00	100.00
	TATA GSM	0.08	0.00	98.90	0.23	0.30	0.52	2.08	97.67	0	0.00	0.00	100.00	100.00	100.00	96.61	98.75	100.00	100.00
Vodafone	0.08	0.39	99.03	0.45	0.97	0.68	0.91	95.60	0	0.04	0.03	100.00	100.00	100.00	100.00	96.91	100.00	65.55	

*In case of M/s Reliance, performance is calculated on the basis of data submitted for the month of April 2015 and May 2015 since they have not submitted PMR report for the circles namely AP, BH, ASM, HP, KTK, KR, KOL, MP, MH, MBI, NE, OR, TN, UPE & WB for the month of June 2015.

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

Performance Monitoring Report on Quality of Service of Cellular Mobile Service Providers for quarter ending, June , 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) (%age)	Worst affected BTSs and Node-B's due to downtime (%age)	Call Set-up Success Rate (within licensee's own network)	SDCCH/Paging Channel and RRC Congestion (%age)	TCH and Circuit Switched RAB Congestion (%age)	Call Drop and Circuit Switched Voice Drop Rate: (%age)	Worst affected cells having more than 3% TCH drop (call drop) and Circuit Switched Voice Drop Rate:-CBBH	Connections with good voice quality and Circuit Switch Voice Quality (CSV quality)	Point of Interconnection (POI) Congestion
		1	2	3	4	5	6	7	8	9
Benchmark		≤ 2%	≤ 2%	≥ 95%	≤ 1%	≤ 2%	≤ 2%	≤ 3%	≥ 95%	≤ 0.5%
Andhra Pradesh	Aircel	0.15	0.44	98.50	0.77	0.73	0.65	7.00	99.78	0
	Airtel	0.24	0.44	98.45	0.26	0.00	0.35	1.30	99.01	0
	BSNL	0.77	1.87	98.00	0.80	1.90	0.70	2.73	99.80	0
	IDEA	0.07	0.03	99.09	0.33	0.46	0.50	2.56	99.77	0
Assam	Aircel	3.12	20.97	97.65	0.34	0.08	1.33	13.66	99.09	0
	Airtel	0.14	0.75	98.16	0.64	0.43	0.63	1.04	98.99	0
	BSNL	1.87	2.00	95.67	0.00	0.00	1.93	2.90	94.13	0
	RTL	0.76	1.40	96.85	0.55	0.01	1.48	1.15	99.84	0
Bihar	Aircel	2.60	18.41	98.69	0.45	0.10	1.14	13.04	99.10	0
	Airtel	0.13	0.60	99.35	0.06	0.55	0.68	2.03	99.55	0
	BSNL	6.80	28.78	96.67	0.08	0.55	2.25	5.90	96.37	0
	RTL	0.32	1.27	96.96	0.73	0.04	1.16	1.77	99.82	0
Chennai	Airtel	0.08	0.24	99.25	0.29	0.43	0.23	0.76	99.70	0
	BSNL	1.27	1.87	98.00	0.90	1.90	1.63	1.90	95.57	0
	Vodafone	0.04	0.02	99.68	0.30	0.13	0.28	0.78	98.88	0
Delhi	Airtel	0.31	1.56	97.87	0.17	0.26	0.58	2.78	98.91	0
	MTNL	0.70	1.47	96.98	0.57	1.43	1.60	2.00	96.30	0
	RCOM	0.22	0.90	97.50	0.64	1.00	0.55	1.48	99.69	0
	Vodafone	0.17	0.72	99.44	0.49	0.56	0.48	2.54	99.13	0
Gujarat	BSNL	1.60	1.77	97.00	0.50	1.30	1.73	2.37	100.00	0
	IDEA	0.10	0.37	99.68	0.33	0.16	0.53	2.00	99.00	0
	TATA	0.08	0.28	98.94	0.12	0.26	0.51	2.41	99.69	0
	Vodafone	0.10	0.40	99.80	0.08	0.03	0.20	0.37	98.95	0

Annexure 4.2 (Contd.)

Haryana	BSNL	1.69	1.57	96.96	0.84	1.03	1.47	2.40	96.79	0
	IDEA	0.11	0.00	98.28	0.55	0.31	1.00	2.08	98.84	0
	TATA	0.27	0.62	98.26	0.61	1.12	0.22	1.31	99.18	0
	Vodafone	0.05	0.09	99.67	0.14	0.04	0.31	0.56	98.92	0
Himachal Pradesh	Airtel	0.05	0.00	99.15	0.42	0.00	0.63	1.23	98.46	0
	BSNL	2.00	1.67	95.00	0.90	1.90	1.87	2.77	96.33	0
	IDEA	0.04	0.00	99.17	0.29	0.12	0.65	1.13	98.94	0
Jammu & Kashmir	RTL	0.05	0.00	98.02	0.68	0.00	0.65	0.90	99.90	0
	Aircel	1.75	16.04	98.19	0.27	0.10	1.68	15.33	99.00	0
	Airtel	0.13	0.05	99.17	0.41	0.00	0.68	1.03	98.96	0
	BSNL	1.50	1.50	96.67	0.77	1.50	1.53	2.43	97.27	0
	IDEA	0.59	1.04	97.77	0.64	0.42	1.45	2.59	98.88	0
Karnataka	RCOM	0.20	1.39	96.63	0.19	1.17	1.24	2.08	99.35	0
	Aircel	0.34	1.50	98.52	0.75	0.74	0.91	10.21	99.79	0
	Airtel	0.11	0.37	99.45	0.03	0.12	0.17	1.54	99.66	0
	BSNL	1.00	1.90	98.67	0.70	1.43	1.13	2.57	97.77	0
Kerala	TATA	0.14	0.71	98.26	0.98	1.60	0.46	2.35	99.07	0
	Aircel	0.40	0.11	98.72	0.60	0.66	1.04	1.01	98.05	0
	BSNL	0.63	0.43	95.33	0.17	1.10	1.33	0.10	99.83	0
	IDEA	0.11	0.03	99.55	0.59	0.21	0.35	1.76	98.03	0
Kolkata	TATA	0.05	0.00	98.83	0.20	0.47	0.33	1.65	99.80	0
	Aircel	0.61	3.07	98.31	0.50	0.25	0.24	2.21	99.11	0
	BSNL	10.57	35.50	99.00	0.50	0.57	0.50	0.40	99.47	0
	RTL	0.25	1.89	96.95	0.71	0.03	1.05	1.30	99.82	0
Madhya Pradesh	Vodafone	0.09	0.29	99.78	0.04	0.02	0.30	0.72	99.01	0
	BSNL	1.78	1.09	95.82	0.56	1.60	1.35	3.23	96.35	0
	IDEA	0.10	0.12	99.14	0.29	0.49	0.87	2.46	98.77	0
	RTL	0.16	0.48	97.23	0.53	0.11	1.02	1.16	99.79	0
	TATA	0.02	0.00	98.34	0.53	0.58	0.38	1.77	99.74	0
Maharashtra	BSNL	1.97	1.77	95.33	0.00	1.83	1.77	2.50	95.70	0
	IDEA	0.10	0.17	99.36	0.53	0.32	0.93	2.07	98.90	0
	TATA	0.04	0.00	97.79	0.77	0.53	0.61	3.57	100.00	0
	Vodafone	0.18	0.32	99.79	0.04	0.02	0.28	0.80	98.88	0
Mumbai	Airtel	0.01	0.00	99.84	0.10	0.15	0.19	0.20	99.90	0
	MTNL	0.57	1.23	96.00	0.87	1.10	1.67	2.47	98.93	0
	RCOM	0.02	0.00	97.16	0.67	0.82	0.60	1.60	99.67	0
	Vodafone	0.04	0.00	99.83	0.00	0.00	0.41	1.32	98.91	0

Annexure 4.2 (Contd.)

North East	Aircel	9.94	48.19	95.50	0.39	0.08	2.09	21.31	98.97	0
	Airtel	1.04	1.20	95.30	0.43	1.67	1.11	1.08	98.91	0
	BSNL	2.11	10.68	94.65	2.96	3.64	2.35	4.87	95.17	0
	RTL	1.05	1.30	96.79	0.63	0.01	1.20	1.83	99.77	0
Orissa	Aircel	1.87	10.02	98.30	0.15	0.05	1.51	15.06	99.04	0
	BSNL	1.53	1.83	96.00	1.00	1.87	0.93	2.47	97.83	0
	RTL	0.21	1.12	96.93	0.45	0.01	1.17	1.14	99.88	0
Punjab	Aircel	0.26	0.79	98.81	0.55	0.04	0.66	8.41	99.14	0
	BSNL	0.40	1.77	96.00	0.97	1.27	1.60	2.90	95.80	1
	IDEA	0.07	0.12	99.37	0.44	0.62	0.56	1.47	99.58	0
	RCOM	0.03	0.00	98.22	0.10	0.51	0.33	1.42	99.75	0
	TATA	0.17	0.61	99.08	0.45	0.44	0.29	1.72	99.14	0
Rajasthan	Airtel	0.16	0.24	99.43	0.05	0.05	0.47	1.66	98.91	0
	BSNL	1.63	1.60	99.00	0.00	0.00	1.27	2.77	98.53	0
	RCOM	0.27	1.05	97.82	0.07	0.57	0.39	1.16	99.73	0
	TATA	0.00	0.00	100.00	0.00	0.00	0.00	0.00	100.00	0
Tamil Nadu	Aircel	0.45	1.52	96.70	0.57	0.21	0.79	8.68	97.19	0
	Airtel	0.06	0.05	99.75	0.04	0.14	0.17	1.74	99.47	0
	BSNL	0.50	1.83	98.00	0.07	1.30	0.23	0.80	99.80	0
	Vodafone	0.09	0.18	99.81	0.04	0.02	0.28	0.55	99.03	0
UPE	Aircel	0.12	0.62	99.17	0.26	0.00	0.67	7.68	99.83	0
	BSNL	1.85	1.61	96.33	0.65	1.63	1.62	0.00	96.50	0
	IDEA	0.38	1.84	98.54	0.22	0.13	0.41	2.49	98.74	0
	Vodafone	0.49	2.88	99.83	0.03	0.01	0.28	0.97	98.94	0
UPW	Airtel	0.85	1.66	99.14	0.06	0.00	0.65	2.37	98.50	0
	BSNL	1.60	1.74	96.93	0.80	1.67	1.60	2.42	96.42	0
	IDEA	0.38	0.87	99.11	0.96	0.58	0.30	2.38	99.13	0
	TATA	0.21	0.42	98.69	0.38	0.92	0.27	1.77	99.20	0
West Bengal	Aircel	1.97	16.16	98.79	0.16	0.01	0.32	2.87	99.00	0
	Airtel	0.09	0.16	99.54	0.19	1.18	0.63	2.83	99.56	0
	BSNL	4.28	19.21	96.87	0.39	0.53	1.15	5.23	96.67	0
	RTL	0.37	1.29	97.24	0.48	0.14	1.46	1.47	99.80	0
	Vodafone	0.57	4.70	99.63	0.06	0.07	0.40	0.96	98.90	0

*In case of M/s Reliance, performance is calculated on the basis of data submitted for the month of April 2015 and May 2015 since they have not submitted PMR report for the circles namely BH, ASM, HP, KOL, MP, MBI, NE, OR & WB for the month of June 2015.

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 June,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 (MTTR)	POI	Metering and Billing					Response time to the customer for Assistance		Termination / closure of service	
				% of faults repaired by next working day	% of faults repaired within 5 days	% of faults repaired by next working day	% of faults repaired within 7 days				Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark	Metering and Billing-credibility - post paid	Metering and billing credibility - pre paid	Resolution of billing/charging/validity complaints	Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of complaints	Accessibility of call centre/ customer care	Percentage of calls answered by the operators (voice to voice) within 90 seconds	%age requests for Termination / Closure of service completed within 7 days	Time taken for refund of deposits after closures
1	A&N	BSNL	4.00	93.00%	100.00%	93	100%	47	7.00	0.00	0.09%	0.00	98.00%	100.00%	100.00%	100.00%	96.00%	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	5.00	97.00%	100.00%	NA	NA	NA	5	NA	0.01%	NA	75.00%	75.00%	100.00%	97.00%	95.00%	97.00%	100.00%
4		Vodafone	0.37	100.00%	100.00%	NA	NA	NA	8.39	NA	0.00%	NA	NA	NA	NA	99.59%	100.00%	100.00%	NA
5		Bharti	2.31	97.62%	100.00%	NA	NA	0	3.31	0.00	0.02%	NA	100.00%	100.00%	100.00%	99.08%	89.99%	100.00%	100.00%
6		BSNL	5.00	93.00%	100.00%	91	100%	247	7.00	0.00	0.00%	0.00	100.00%	100.00%	100.00%	92.98%	91.96%	100.00%	100.00%
7	ASM	Vodafone	1.96	100.00%	100.00%	NA	NA	NA	1.06	NA	0.00%	NA	NA	NA	NA	99.59%	100.00%	NA	NA
8		BSNL	4.00	97.00%	100.00%	97	100%	244	3.00	0.00	0.07%	0.00	100.00%	100.00%	100.00%	99.26%	96.00%	100.00%	100.00%
9	BH	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%
10		TTSL	0.00	100.00%	100.00%	NA	NA	NA	3	NA	0.00%	NA	NA	NA	NA	100.00%	98.00%	NA	NA
11		Vodafone	2.21	100.00%	100.00%	NA	NA	NA	0.99	NA	0.00%	NA	NA	NA	NA	99.59%	100.00%	100.00%	NA
12		BSNL	3.00	97.00%	100.00%	95	100%	0	4.00	0.00	0.00%	0.00	100.00%	100.00%	100.00%	99.05%	95.00%	100.00%	100.00%
13	Chattisgarh	BSNL	3.00	97.00%	100.00%	97	100%	681	6.00	0.00	0.01%	0.01	99.00%	100.00%	100.00%	96.49%	89.33%	100.00%	100.00%
14	CN	Reliance	0.03	100.00%	100.00%	NA	NA	0	4.60	0.00	0.01%	NA	100.00%	100.00%	100.00%	97.00%	96.00%	100.00%	100.00%
15		Vodafone	0.86	100.00%	100.00%	NA	NA	NA	1.09	NA	0.00%	NA	NA	NA	NA	99.59%	100.00%	100.00%	NA
16		BSNL	5.00	94.00%	100.00%	94	100%	676	7.00	0.00	0.00%	0.00	100.00%	100.00%	100.00%	99.23%	99.21%	100.00%	100.00%
17	DEL	Reliance	0.05	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	0.00	99.00%	100.00%	NA	NA	NA	3	NA	0.01%	NA	100.00%	100.00%	100.00%	96.00%	91.00%	100.00%	100.00%
19		Vodafone	0.41	100.00%	100.00%	NA	NA	NA	1.05	NA	0.00%	NA	NA	NA	NA	99.59%	100.00%	100.00%	NA
20		Bharti	3.31	91.64%	100.00%	NA	NA	0	4.54	0.00	0.01%	NA	100.00%	100.00%	100.00%	100.00%	68.84%	100.00%	100.00%
21		MTNL	7.62	87.14%	97.82%	NA	NA	14152	4.23	0.00	0.01%	0.00%	99.63%	100.00%	100.00%	99.52%	99.34%	100.00%	100.00%
22	GUJ	Reliance	0.39	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%
23		TTSL	1.00	98.00%	100.00%	NA	NA	1	4	NA	0.00%	NA	NA	NA	NA	99.00%	96.00%	100.00%	NA
24		Vodafone	0.44	100.00%	100.00%	NA	NA	NA	4.33	NA	0.00%	NA	NA	NA	NA	99.59%	100.00%	100.00%	NA
25		Bharti	1.52	92.59%	100.00%	NA	NA	0	6.19	0.00	0.01%	NA	100.00%	100.00%	100.00%	99.01%	62.92%	100.00%	100.00%
26		BSNL	5.00	95.00%	100.00%	93	100%	415	5.00	0.00	0.02%	0.00	100.00%	100.00%	100.00%	96.91%	88.67%	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	HP	BSNL	5.00	94.00%	100.00%	92	100%	1113	6.00	0.00	0.04%	0.02	98.52%	100.00%	100.00%	96.99%	92.00%	100.00%	100.00%
29	HR	Vodafone	0.00	NA	100.00%	NA	NA	NA	0.10	NA	0.00%	NA	NA	NA	NA	99.59%	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	NA	0.01%	NA	0.00%	0.00%	100.00%	99.00%	96.00%	NA	NA
32		Bharti	4.74	94.81%	100.00%	NA	NA	0	3.70	0.00	0.02%	NA	100.00%	100.00%	100.00%	99.99%	96.10%	100.00%	100.00%
33		BSNL	5.00	96.00%	100.00%	97	100%	688	6.00	0.00	0.09%	0.00	100.00%	100.00%	100.00%	97.29%	88.67%	100.00%	100.00%
34	J&K	BSNL	4.00	96.00%	100.00%	89	100%	173	7.00	0.00	0.00%	0.00	98.00%	100.00%	100.00%	96.39%	93.00%	100.00%	100.00%
35	JHAR	BSNL	3.00	94.00%	100.00%	95	100%	533	6.00	0.00	0.00%	0.00	98.00%	100.00%	100.00%	99.03%	95.33%	100.00%	100.00%
36	KER	Vodafone	0.53	100.00%	100.00%	NA	NA	NA	1.19	NA	0.00%	NA	NA	NA	NA	99.59%	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	NA	NA	100.00%	100.00%	100.00%	NA	NA
39		Bharti	1.30	92.53%	100.00%	NA	NA	0	3.55	0.00	0.02%	NA	100.00%	100.00%	100.00%	100.00%	86.36%	100.00%	100.00%
40		BSNL	4.00	91.00%	100.00%	91	100%	626	7.00	0.00	0.01%	0.00	99.00%	100.00%	100.00%	98.94%	98.88%	100.00%	100.00%
41	KOL	Vodafone	3.17	100.00%	100.00%	NA	NA	NA	5.50	NA	0.00%	NA	NA	NA	NA	99.59%	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	NA	NA	NA	NA	NA	NA	NA	0.00%	NA	NA	NA	NA	100.00%	94.00%	NA	NA
44		Bharti	3.17	90.60%	100.00%	NA	NA	0	7.27	0.00	0.00%	NA	100.00%	100.00%	100.00%	99.79%	93.69%	100.00%	100.00%
45		BSNL	6.00	91.00%	100.00%	NA	NA	531	8.00	0.00	0.00%	0.00	98.48%	100.00%	100.00%	99.33%	94.67%	100.00%	100.00%
46	KTK	Vodafone	0.63	100.00%	100.00%	NA	NA	NA	6.50	NA	0.00%	NA	NA	NA	NA	99.59%	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%	100.00%	97.00%	96.00%	100.00%	100.00%
48		TTSL	0.00	93.00%	100.00%	NA	NA	NA	8	NA	0.10%	NA	100.00%	100.00%	100.00%	99.00%	96.00%	100.00%	NA
49		Bharti	2.21	86.54%	100.00%	NA	NA	0	4.62	0.00	0.02%	NA	100.00%	100.00%	100.00%	91.51%	63.00%	100.00%	100.00%
50		BSNL	4.00	97.00%	100.00%	95	100%	1514	7.00	0.00	0.07%	0.00	100.00%	100.00%	100.00%	99.05%	98.98%	100.00%	100.00%
51	MH	Bharti	0.80	93.49%	100.00%	NA	NA	0	5.21	0.00	0.00%	NA	100.00%	100.00%	100.00%	100.00%	67.89%	100.00%	100.00%
52		BSNL	5.00	92.00%	100.00%	83	100%	515	6.00	0.00	0.01%	0.00	100.00%	100.00%	100.00%	96.08%	93.33%	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	0.30	100.00%	100.00%	NA	NA	NA	0.47	NA	0.00%	NA	NA	NA	NA	99.59%	100.00%	100.00%	NA
55		TTSL	1.00	95.00%	100.00%	NA	NA	NA	6	NA	0.00%	NA	100.00%	100.00%	100.00%	98.00%	93.00%	100.00%	NA
56	MP	Vodafone	2.59	100.00%	100.00%	NA	NA	NA	1.61	NA	0.00%	NA	NA	NA	NA	99.59%	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	0.00	100.00%	100.00%	NA	NA	NA	2	NA	0.10%	NA	NA	NA	100.00%	100.00%	98.00%	NA	NA
59		Bharti	5.88	88.66%	100.00%	NA	NA	0	4.91	0.00	0.02%	NA	100.00%	100.00%	100.00%	99.98%	68.11%	100.00%	100.00%
60		BSNL	4.00	91.00%	100.00%	86	100%	1133	4.00	0.00	0.09%	0.00	98.00%	100.00%	100.00%	96.49%	89.33%	100.00%	100.00%
61	MUM	Vodafone	0.55	100.00%	100.00%	NA	NA	NA	1.08	NA	0.00%	NA	NA	NA	NA	99.59%	100.00%	NA	NA
62		Bharti	0.38	94.31%	100.00%	NA	NA	0	5.11	0.00	0.00%	NA	100.00%	100.00%	100.00%	100.00%	64.26%	100.00%	100.00%
63		MTNL	4.76	91.87%	99.42%	NA	NA	18360	6.78	0.00	0.03%	NA	99.42%	100.00%	NA	96.18%	96.75%	99.43%	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	87.00%	100.00%	NA	NA	NA	11	NA	0.00%	NA	38.00%	38.00%	100.00%	95.00%	87.00%	69.00%	100.00%
66	NE	Vodafone	0.00	NA	100.00%	NA	NA	NA	0.00	NA	0.00%	NA	NA	NA	NA	99.59%	100.00%	NA	NA
67	NE-I	BSNL	4.00	92.00%	100.00%	93	100%	51	7.00	0.00	0.04%	0.00	98.00%	100.00%	100.00%	98.97%	95.67%	100.00%	100.00%
68	NE-II	BSNL	3.00	98.00%	100.00%	100	100%	43	6.00	0.00	0.01%	0.00	100.00%	100.00%	100.00%	100.00%	95.67%	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	94.00%	100.00%	NA	NA	NA	7	NA	0.00%	NA	NA	NA	NA	NA	NA	NA	NA	NA
71		BSNL	6.00	93.00%	100.00%	91	100%	717	4.00	0.00	0.08%	0.00	98.00%	100.00%	100.00%	100.00%	98.95%	96.67%	100.00%	100.00%
72		Vodafone	2.55	100.00%	100.00%	NA	NA	NA	1.34	NA	0.00%	NA	NA	NA	NA	99.59%	100.00%	NA	NA	
73	PB	Vodafone	3.16	100.00%	100.00%	NA	NA	NA	1.34	NA	0.00%	NA	NA	NA	NA	99.59%	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	88.00%	100.00%	NA	NA	NA	11	NA	0.00%	NA	NA	NA	NA	99.00%	98.00%	NA	NA	
76		Bharti	3.16	95.01%	100.00%	NA	NA	0	3.55	0.00	0.01%	NA	100.00%	100.00%	100.00%	99.47%	95.01%	100.00%	100.00%	
77		Quadrant	2.60	95.60%	100.00%	100.00%	100%	0	7	0.00	0.00%	0.00%	100.00%	100.00%	100.00%	95.00%	96.00%	100.00%	100.00%	
78		BSNL	5.00	92.00%	100.00%	93	100%	534	6.00	0.00	0.07%	0.09	98.00%	100.00%	100.00%	96.16%	88.67%	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	0.00	67.00%	100.00%	NA	NA	NA	2	NA	0.00%	NA	NA	NA	NA	100.00%	98.00%	NA	NA	
81		Vodafone	0.42	100.00%	100.00%	NA	NA	NA	1.53	NA	0.00%	NA	NA	NA	NA	99.59%	100.00%	NA	NA	
82		Bharti	3.27	96.67%	100.00%	NA	NA	0	7.66	0.00	0.01%	NA	100.00%	100.00%	100.00%	98.29%	95.00%	100.00%	100.00%	
83		Sistema	1.51	93.68%	100.00%	94.15%	100%	0	8.54	0.00	0.05%	0.00%	100.00%	100.00%	100.00%	98.69%	96.86%	100.00%	100.00%	
84	BSNL	5.00	96.00%	100.00%	95	100%	419	6.00	0.00	0.00%	0.00	100.00%	100.00%	100.00%	97.26%	90.00%	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	88.00%	100.00%	NA	NA	NA	10	NA	0.10%	NA	33.00%	67.00%	100.00%	99.00%	96.00%	NA	NA	
87		Vodafone	0.00	NA	100.00%	NA	NA	NA	NA	NA	0.00%	NA	NA	NA	NA	99.59%	100.00%	100.00%	NA	
88		Bharti	2.61	92.16%	100.00%	NA	NA	0	3.5	0.00	0.06%	NA	100.00%	100.00%	100.00%	99.97%	63.39%	100.00%	100.00%	
89		BSNL	3.00	95.00%	100.00%	93	100%	1293	7.00	0.00	0.06%	0.00	100.00%	100.00%	100.00%	98.99%	98.96%	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	0.00	NA	NA	NA	NA	NA	NA	NA	0.00%	NA	NA	NA	NA	100.00%	100.00%	NA	NA	
92		Vodafone	2.34	100.00%	100.00%	NA	NA	NA	3.02	NA	0.00%	NA	NA	NA	NA	99.59%	100.00%	100.00%	NA	
93		Bharti	6.65	85.08%	100.00%	NA	NA	0	5.74	0.00	0.01%	NA	100.00%	100.00%	100.00%	100.00%	94.75%	100.00%	100.00%	
94	BSNL	4.00	94.00%	100.00%	93	100%	586	5.00	0.00	0.06%	0.06	100.00%	100.00%	100.00%	97.70%	93.00%	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	2.11	100.00	100.00%	NA	NA	NA	1.61	NA	0.00%	NA	NA	NA	NA	99.59%	100.00%	100.00%	NA	
98		Bharti	5.69	94.41%	100.00%	NA	NA	0	3.58	0.00	0.00%	NA	100.00%	100.00%	100.00%	100.00%	94.04%	100.00%	100.00%	
99		BSNL	5.00	96.00%	100.00%	95	100%	736	5.00	0.00	0.00%	0.00	100.00%	100.00%	100.00%	96.00%	94.00%	100.00%	100.00%	
100	Uttaranchal	BSNL	6.00	98.00%	100.00%	97	100%	385	4.00	0.00	0.00%	0.00	98.00%	100.00%	100.00%	97.60%	92.00%	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	5.00	92.00%	100.00%	92	100%	421	5.00	0.00	0.05%	0.00	100.00%	100.00%	100.00%	98.92%	95.33%	100.00%	100.00%	
103		TTSL	1.00	99.00%	100.00%	NA	NA	NA	3.00	NA	0.00%	NA	100.00%	100.00%	100.00%	99.00%	96.00%	100.00%	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 June, 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 >80% 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 (GSP/NIXI)	User reference point at ISP Gateway node to International nearest NAP port abroad (terrestrial)	User reference point at ISP Gateway node to International nearest NAP port abroad (satellite)
			100%	>90%	=>99%	in nos.	<2%	100%	100% within 60 days	>60%	>80%	0	0	<90%	>80%		>98%	<1%	<120 ms	<350 ms
1	BSNL	All India	100.00%	93.85%	99.63%	15238	0.06%	100.00%	100.00%	85.26%	89.82%	0	0	75.90%	90.04%	99.69%	0.80%	34	206	NA
2	Bharti Airtel	Andhra Pradesh	100.00%	97.06%	100.00%	0	0.01%	100.00%	100.00%	85.00%	89.00%	0	0	57.02%	97.78%	99.99%	0.03%	22	41	NA
		Delhi	100.00%	91.55%	99.31%	422	0.01%	100.00%	100.00%	85.00%	90.00%	0	0	82.79%	100.00%	99.98%	0.00%	29	80	NA
		Gujarat	100.00%	93.37%	99.27%	74	0.01%	100.00%	100.00%	86.00%	91.00%	0	NA	NA	100.00%	99.99%	0.00%	30	63	NA
		Haryana	100.00%	98.44%	103.52%	58	0.01%	100.00%	100.00%	53.00%	59.00%	0	NA	NA	100.00%	99.99%	0.00%	34	80	NA
		Karnataka	100.00%	90.58%	100.00%	363	0.01%	100.00%	100.00%	69.00%	76.00%	0	0	77.24%	98.02%	99.99%	0.00%	26	38	NA
		Kerala	100.00%	92.96%	99.63%	152	0.02%	100.00%	100.00%	54.00%	62.00%	0	NA	NA	100.00%	99.99%	0.00%	41	32	NA
		Kolkata	100.00%	92.67%	99.75%	657	0.01%	100.00%	100.00%	78.00%	83.00%	0	0	61.87%	100.00%	99.95%	0.00%	14	50	NA
		Madhya Pradesh	100.00%	91.15%	99.51%	77	0.01%	100.00%	100.00%	85.00%	89.00%	0	0	83.54%	100.00%	99.97%	0.00%	72	66	NA
		Maharashtra	100.00%	96.38%	99.50%	29	0.02%	100.00%	100.00%	66.00%	73.00%	0	NA	NA	100.00%	100.00%	0.07%	39	63	NA
		Mumbai	100.00%	97.11%	99.60%	33	0.01%	100.00%	100.00%	84.00%	89.00%	0	0	76.13%	100.00%	99.99%	0.12%	29	63	NA
		Punjab	100.00%	94.84%	99.96%	81	0.01%	100.00%	100.00%	58.00%	67.00%	0	0	0.74%	100.00%	100.00%	0.00%	33	86	NA
		Rajasthan	100.00%	96.92%	99.74%	8	0.00%	100.00%	100.00%	85.00%	90.00%	0	NA	NA	100.00%	99.99%	0.00%	40	80	NA
		Tamilnadu	100.00%	93.63%	99.94%	1142	0.02%	100.00%	100.00%	88.00%	93.00%	0	0	69.09%	100.00%	99.99%	0.00%	22	32	NA
Uttar Pradesh - East	100.00%	90.22%	99.09%	193	0.01%	100.00%	100.00%	61.00%	68.00%	0	0	0.70%	100.00%	99.97%	0.00%	34	92	NA		
Uttar Pradesh - West	100.00%	94.21%	99.23%	83	0.01%	100.00%	100.00%	59.00%	66.00%	0	NA	NA	100.00%	99.99%	0.00%	33	80	NA		
3	MTNL	Delhi & Mumbai	99.94%	87.63%	96.15%	22670	0.026%	100.00%	100.00%	89.61%	90.99%	Nil	0	85.89%	89.00%	99.85%	0.57%	42	293	NA
4	Alliance Broadband	Kolkata	100.00%	90.00%	99.00%	Nil	0.91%	100.00%	Nil	76.00%	90.00%	0	0	61.44%	94.77%	98.00%	0.57%	111	320	771
5	Asianet Satellite	Kerala	100.00%	90.08%	99.20%	Nil	1.73%	100.00%	100.00%	60.59%	80.87%	Nil	0	71.70%	90.00%	99.70%	1.00%	50	270	NA
6	Atria Convergence	All India	94.58%	87.00%	98.00%	16688	0.04%	100.00%	Nil	45.00%	55.00%	0	0	78.50%	90.00%	99.23%	1.00%	50	300	NA
7	Broadband Pacenet India	All India	100.00%	90.40%	99.10%	245	1.00%	100.00%	Nil	82.00%	90.00%	0	0	75.68%	81.00%	99.13%	0.45%	76	265	0
8	Citycom Networks	All India	100.00%	92.30%	99.20%	4614	0.58%	100.00%	100.00%	81.00%	85.00%	0	0	42.00%	88.80%	99.30%	1.00%	2	161	NA
9	DEN Networks Ltd.	All India	100.00%	96.57%	99.77%	2368	NA	NA	NA	83.00%	90.00%	Nil	Nil	85.81%	95.00%	100.00%	0.00%	30	260	NA
10	Digital Network	Maharashtra & Goa	100.00%	91.03%	99.46%	0	0.31%	100.00%	Nil	62.51%	82.42%	0	0	80.00%	80.00%	99.82%	1.00%	4	255	600
11	D-VoiS Broadband	All India	100.00%	96.85%	99.77%	0	0.23%	100.00%	NA	98.47%	100.00%	0	Nil	Nil	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%	95.00%	99.00%	462	0.44%	100.00%	NA	96.00%	99.00%	NA	0	86.00%	91.00%	98.36%	0.00%	11	300	NA
14	Hathway Cable & Datacom Ltd.	Andhra Pradesh	100.00%	98.00%	100.00%	28	1.81%	100.00%	100.00%	72.00%	84.00%	0	0	77.00%	90.00%	99.00%	1.00%	75	320	NA
		Delhi	100.00%	97.00%	99.00%	130	1.38%	100.00%	100.00%	65.00%	85.00%	0	0	58.00%	85.00%	100.00%	1.00%	110	310	NA
		Gujarat	100.00%	91.00%	99.00%	0	0.00%	NA	NA	79.00%	99.00%	0	0	78.00%	90.00%	100.00%	1.00%	80	270	NA
		Karnataka	100.00%	92.00%	99.00%	388	1.83%	100.00%	100.00%	71.00%	78.00%	0	0	78.00%	90.00%	99.00%	1.00%	80	350	NA
		Maharashtra & goa	97.00%	94.00%	99.00%	1312	1.68%	100.00%	100.00%	78.00%	88.00%	0	0	78.00%	90.00%	100.00%	1.00%	50	280	NA
		Punjab	100.00%	97.00%	99.00%	0	1.94%	100.00%	100.00%	85.00%	99.00%	0	0	81.00%	85.00%	99.00%	1.00%	95	320	NA
		Uttar Pradesh - West	100.00%	96.00%	98.00%	0	1.20%	100.00%	100.00%	DNF	DNF	0	0	60.00%	85.00%	99.00%	1.00%	110	285	NA
Chhatisgarh	100.00%	97.00%	99.00%	0	1.70%	100.00%	100.00%	99.00%	99.00%	0	0	77.00%	85.00%	99.00%	1.00%	100	320	NA		

Annexure 4.4 (Contd.)

15	Home Systems	Mumbai	100.00%	95.00%	99.99%	NA	0.00%	100.00%	NA	70.00%	87.00%	0	0	75.00%	95.00%	99.00%	0.01%	50	295	NA
16	Honesty Net Solutions (I) Pvt. Ltd.	Mumbai	100.00%	95.00%	100.00%	0	Nil	100.00%	Nil	NA	NA	0	NA	NA	91.00%	95.00%	0.00%	30	66	NA
17	IndusInd Media	All India	100.00%	97.00%	99.00%	17	0.00%	100.00%	100.00%	100.00%	100.00%	0	0	81.37	80.00%	98.00%	1.00%	45	260	NA
18	Meghbela Cable & Broadband Services	Kolkata	100.00%	100.00%	100.00%	0	0.00%	100.00%	100.00%	90.60%	100.00%	0	0	0.00%	100.00%	99.90%	1.00%	60	250	NA
		West Bengal	100.00%	100.00%	100.00%	0	0.00%	100.00%	100.00%	91.66%	100.00%	0	0	0.00%	100.00%	99.90%	0.00%	60	250	NA
19	Nextra Teleservices Pvt. Ltd.	Delhi	100.00%	92.00%	99.00%	740	1.00%	100.00%	100.00%	76.00%	84.00%	0	0	88.00%	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%	99.13%	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	70.00%	90.00%	99.00%	1.00%	100	300	0
22	Ortel Communications	Andhra Pradesh	100.00%	93.81%	99.62%	0	0.00%	100.00%	100.00%	100.00%	100.00%	0	0	77.00%	93.00%	99.97%	0.00%	87	240	0
		Kolkata	100.00%	92.46%	99.50%	0	0.00%	100.00%	100.00%	100.00%	100.00%	0	0	72.00%	92.00%	100.00%	0.00%	92	242	0
		Madhya Pradesh	100.00%	92.44%	99.31%	0	0.00%	100.00%	100.00%	100.00%	100.00%	0	0	71.00%	93.00%	99.98%	0.00%	88	245	0
		Orissa	100.00%	92.74%	99.67%	0	0.00%	100.00%	100.00%	100.00%	100.00%	0	0	72.00%	93.00%	99.89%	0.00%	93	244	0
23	Pioneer Elabs Ltd.	Hyderabad	100.00%	90.00%	99.00%	35	1.00%	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%	99.17%	99.94%	2	0.01%	100.00%	100.00%	73.67%	82.67%	Nil	Nil	74.00%	100.00%	99.92%	0.00%	80	280	NA
	RailTel Corporation of India Ltd.																			
25	Rajesh Multichannel	Mumbai	100.00%	97.00%	100.00%	0	0.00%	100.00%	100.00%	97.00%	90.00%	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	0.19%	100.00%	100.00%	94.00%	95.00%	0	Nil	51.61%	91.00%	100.00%	0.36%	21	25	0
27	RK Infratel	Gujarat	100.00%	91.61%	99.39%	0	0.00%	100.00%	NA	100.00%	100.00%	0	0	89.43%	85.00%	99.57%	0.00%	120	350	NA
28	Siti Cable	All India	100.00%	90.00%	100.00%	524	0.00%	100.00%	100.00%	86.33%	91.33%	0	0	83.00%	95.00%	98.33%	0.40%	56	280	NA
29	Southern (SOBTL)	Andhra Pradesh	100.00%	99.00%	100.00%	0	0.00%	100.00%	100.00%	92.00%	100.00%	0	0	78.00%	95.00%	99.00%	0.05%	100	300	500
30	Syscon Infoway Pvt. Ltd.	Maharashtra	100.00%	97.00%	100.00%	Nil	0.00%	100.00%	NA	76.00%	87.67%	0	0	83.33%	99.00%	100.00%	1.00%	1	47	80
		Mumbai	100.00%	96.33%	100.00%	Nil	0.00%	100.00%	NA	82.33%	88.00%	0	0	70.00%	99.00%	100.00%	0.00%	1	47	80
31	Tata Communications	All India	Nil	90.00%	96.00%	256	0.12%	100.00%	100.00%	67.00%	71.00%	Nil	Nil	47.33%	80.00%	98.99%	0.00%	15	253	NA
32	Tata (TTML)	Maharashtra & Goa	100.00%	92.94%	99.00%	NA	0.00%	58.33%	100.00%	96.79%	98.41%	0	0	78.00%	92.04%	98.44%	0.00%	62	191	NA
33	Tata (TTSL)	All India (Pan India)	100.00%	95.15%	99.08%	NA	0.00%	68.50%	90.00%	91.58%	94.05%	0	0	80.00%	90.00%	99.80%	1.00%	56	61.6	NA
34	Vasai Cable	Mumbai	100.00%	92.60%	99.39%	Nil	0.26%	100.00%	Nil	78.79%	86.00%	0	0	63.00%	90.00%	100.00%	1.00%	4	255	NA
35	Wish Net Pvt. Ltd.	West Bengal	100.00%	98.20%	100.00%	0	0.05%	100.00%	NA	81.00%	97.67%	0	0	72.67%	100.00%	99.88%	1.00%	20	NA	NA
		Kolkata	100.00%	98.82%	100.00%	0	0.01%	100.00%	NA	81.00%	97.67%	0	0	73.03%	100.00%	99.88%	1.00%	40	NA	NA
36	You Broadband	All India	100.00%	90.00%	99.00%	4214	0.00%	100.00%	100.00%	79.14%	87.36%	NA	0	76.44%	87.06%	99.31%	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 30.06.2015

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 Dignet Cable Vision Pvt. Limited. 9/75/2012 - BP&L	Akshaya Dignet 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

Annexure 5.1 (Contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
9.	Microscan Entertainment Pvt. Ltd., Mumbai 9/85/2013 - BP&L	Microscan Entertainment Pvt. Ltd. "A" Wing, 301-303, Opp. Ahura Centre, Everest Grande, mahakali caves Road, Andheri (E), Mumbai- 93	Phase I, III and IV	Permanent (For 10 Years) registration issued on 13.06.2014
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 and 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 & Vishakhapatanam and Kerala state	Permanent (For 10 Years) registration issued on 30.05.2014
13.	Bhima Riddhi Digital Services 9/144/2012 - BP&L	Bhima Riddi Digital Services 4th Floor, Millenium Square, Near Garuda Bunglow, Sath Raasta, Solapur	Areas Phase I, II, III & IV Except Phase II cities in 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 93	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

Annexure 5.1 (Contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
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
18.	Sree Devi Digital Systems Pvt. Ltd. 9/72/2013 - BP&L	Sree Devi Digital Systems Pvt. Ltd. D. No : 39-6-16, Sagar Nivas, Muralinagar, Visakhapatnam-530007	Vishakhapatnam of Phase II and rest of Andhra Pradesh for Phase III and IV	Permanent (For 10 Years) registration issued on 06.02.2014
19.	Subam Digital Cable Services, 9/91/2012 - BP&L	Subam Digital Cable Services, 138, Cotton Market, Rajapalayam, Virudhu Nagar district, Tamil Nadu, PIN- 626117	Phase I, III & IV Cities only	Permanent (For 10 years) registration issued on 29.05.2014
20.	Asianet Satellite Communications Ltd. 9/28/2013 - BP&L	Asianet Satellite Communications Ltd. 2A, 2nd Floor, Leela Infopark, Technopark, Kazhakuttom, Thiruvananthapuram 695581	Phase I, III & IV Cities	Permanent (for 10 years) registration issued on 30.05.2014
21.	Mansion Cable Network Pvt. Ltd. 9/65/2013 - BP&L	Mansion Cable Network Pvt. Ltd. Part of 10 & 21, IInd Floor, College Road, Chhipi Tank, Meerut, Uttar Pradesh - 250001	Notified area of in the state of Uttar Pradesh except (i) Agra (ii) Allahabad (iii) Ghaziabad (iv) Kanpur (v) Lucknow (vi) Varanasi	Permanent (for 10 years) registration issued on 29.05.2014
22.	Men Power Media Network 9/103/2012 - BP&L	Men Power Media Network Men Power Avenue Natesanar Street Nemeli-631051, Arakkonam Tk., Vellore District, Tamilnadu.	In the state of TamilNadu except Coimbatore and Chennai and Chittore and Nellore Districts in the state of Andhra Pradesh	Permanent (For 10 Years) registration issued on 29.05.2014
23.	Sai Vision Cable Network 9/58/2013 - BP&L	Sai Vision Cable Network Shop No. 8, Aditya Apartment, Anandnagar, Sinhagad Road, Pune-51	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

Annexure 5.1 (Contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
25.	Vinsat Digital Pvt. Ltd. 9/57/2013 - BP&L	Vinsat Digital Pvt. Ltd. #46-15-32/8, Flat No. 501, 5th Floor, Kandrapa Complex, Dondaparthi, Near Diamond Park, Vishakhapatnam-16	Vishakhapatnam only	Permanent (for 10 years) registration issued on 26.05.2014
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	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 Uttar Pradesh	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 Aurangabad, Nagpur, Nasik, Navi Mumbai, Pimpri Chinchwad, Pune, Sholapur & Thane	Permanent (For 10 Years) registration issued on 22.07.2014
30.	Home System Pvt Ltd. 9/19/2012 - BP&L	Home System Pvt Ltd. A/17, Gaurav Annexe, R.R.T. Road Mulund (W), Mumbai -400080	Entire DAS notified area across the country notified in the notification of government of India	Permanent (For 10 Years) registration issued on 28.03.2013
31.	Star Broadband Services (I) Pvt. Ltd. 9/29/2012 - BP&L	Star Broadband Services (I) Pvt. Ltd. 19/48, Malcha Marg, Commercial Complex, Chankyapuri, New Delhi-110021	National Capital Territory of Delhi	Permanent (For 10 Years w.e.f 30.09.2006) registration issued on 28.6.2012

Annexure 5.1 (Contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
32.	Den Adn Network Pvt. Ltd. 9/24/2012 - BP&L	Den Adn Network Pvt. Ltd. 11/15, 3rd floor, East Patel Nagar, New Delhi-110008	National Capital Territory of Delhi	Permanent (For 10 Years) registration issued on 8.7.2014
33.	Delhi Distribution Company 9/18/2012 - BP&L	Delhi Distribution Company Office No.2, 1st Floor, Local Shopping Centre, Uday Park, New Delhi-110049	National Capital Territory of Delhi	Permanent (For 10 Years) registration issued on 21.06.2012
34.	Satellite Channels Pvt. Ltd. 9/28/2012 - BP&L	Satellite Channels Pvt. Ltd. E-68, 3rd Floor, Lajpat Nagar-I, New Delhi-110024	National Capital Territory of Delhi and cities/towns/areas occurring against-II, Phase-III, and Phase-IV	Permanent (For 10 Years) registration issued on 29.06.2012
35.	Kailash Cable Network Pvt. Ltd 9/43/2012 - BP&L	Kailash Cable Network Pvt. Ltd 36, Ram Lal Mukherjee Lane, Salkia, Howrah-711106	Kolkata Metropolitan Area and cities of Howrah and Patna occurring against Phase-II and cities /town/areas occurring Phase-III & IV	Permanent (For 10 Years) registration issued on 29.06.2012
36.	Indusind Media And Communication Limited 9/54/2012 - BP&L	Indusind Media And Communication Limited Under 11 (F) IN Centre, 49/50 MIDC, 12th Road, Andheri (E), Mumbai-400093	Municipal Council of Greater Mumbai, National Capital Territory (NCT), Delhi, Kolkata Metropolitan Area, Chennai Metropolitan Area	Permanent (For 10 Years) registration issued on 29.06.2012
37.	Barasat Cable TV Network Pvt. Ltd. 9/61/2012 - BP&L	Barasat Cable Tv Network Pvt. Ltd. Circular Road, Nabapally, Barasat, Pin No. 700126(West Bengal)	Kolkata Metropolitan Area	Permanent (For 10 Years) registration issued on 29.06.2012
	Den Network. Ltd "Den" 9/46/2012 - BP&L	Den Network. Ltd "Den" 236, Ground floor, Okhla Industrial Estate, Phase-III, New Delhi-110020	Municipal Council of Greater Mumbai, National Capital Territory (NCT), Delhi, Kolkata Metropolitan Area, Chennai Metropolitan Area as well as cities/towns/ Areas occurring against Phase-II,Phase-III & Phase- IV	Permanent (For 10 Years) Registration issued on 4.07.2012
39.	Manthan Broadband Services Pvt. Ltd 9/53/2012 - BP&L	Manthan Broadband Services PVT. Ltd 6, Ganesh Chandra, Avenue IIIrd Floor, Kolkata-700013 (W.B)	Kolkata Metropolitan Area	Permanent (For 10 Years) Registration issued on 29.06.2012

Annexure 5.1 (Contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
40.	Advance Multisystem Broadband Communications Ltd 9/55/2012 - BP&L	Advance Multisystem Broadband Communications Ltd Bankim Kannan, Chinsurah Station Road, Near Radion Station Surah R.S., Hooghly – 712102 (W.B)	Kolkata Metropolitan Area	Permanent (For 10 Years) Registration issued on 18.07.2012
41.	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
42.	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
43.	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
44	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
45.	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
46.	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
47.	Darsh Digital Network Pvt. Ltd. 9/4/2013 - BP&L	Darsh Digital Network Pvt. Ltd. 2nd Floor, Suprabhat Building. Ceat Compound, Exhibition Road, Patna-01	In the state of Bihar	Permanent (for 10 years) Registration issued on 13.12.2013
48.	Take one JK Media Pvt. Ltd. 9/11/2013 - BP&L	Take one JK Media Pvt. Ltd. Satyam Resort Buidling, Marble Market, Jammu(J&K)	city/town/area of Srinagar only in the state of Jammu Kashmir	Permanent (for 10 years) Registration issued on 11.12.2013
49.	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
50.	Hathway MCN Pvt. Ltd. 9/64/2013 - BP&L	Hathway MCN Pvt. Ltd. 310/311 Akshyadeep Plazatown Centre, CIDCO Jalna Road, Aurangabad	Aurangabad only	Permanent (For 10 years) Registration given on 12.12.2013
51	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
52.	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 -01	Pune	Permanent (for 10 years)) Registration issued on 12.12.2013
53.	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
54.	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
55.	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
56.	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
57.	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
58.	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
59	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
60.	International Digital Services, Mumbai 9/101/2012 - BP&L	International Digital Services International Digital Services 41/3045 , Abhyudaya Nagar, Kalachowki, Mumbai 400033	Mumbai District	Permanent (For 10 years) Registration issued on 5.11.2013
61.	Star Vision Mr. Anand Kumar Mishra 9/76/2013 - BP&L	Sita Niwas, Kurji Balupar, P.O. Sadaquat Ashram, Patna 800010, Bihar	Patna, Bhabua, Buxuar, Muhania & Ara	Permanent (for 10 years) Registration issued on 13.12.2013
62.	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
63.	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
64.	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
65.	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
66.	Sahas Entertainments Pvt. Ltd. Hyderabad 9/130/2012- BP&L	Sahas Entertainments Pvt. Ltd. Plot No. MIG A94, Dr. A.S. Rao Nagar, Kapra, Hyderabad, Pin 500 062	Rangaraddy District, Hyderabad (GHMC Limits)	Permanent (For 10 Years) registration issued on 16.12.2013
67.	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
68	Lucknow 9 Cable Network Pvt. Ltd. 9/89/2013 - BP&L	Lucknow 9 Cable Network Pvt. Ltd. C 21/A, Mansarovar Garden, New Delhi-15	Lucknow, Kanpur, Allahabad, Varanasi & Agra,	Permanent (for 10 years) registration issued on 17.12.2013
69.	Sky Vision Cable Network 9/109/2012 - BP&L	Sky Vision Cable Network B.L. NO. 15,H/No. -18, PO Jagatdal, Meghana More, 24 Parg Anas (North) 743125 West Bengal	Kolkata	Permanent (for 10 years) registration issued on 17.12.2013
70.	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
71.	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
72.	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

Annexure 5.1 (Contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
73.	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
74.	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
75.	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
76.	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
77	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
78.	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
79.	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
80.	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
81.	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

Annexure 5.1 (Contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
82.	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
83.	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
84.	Faction Digital Private Limited 9/104/2012 - BP&L	Faction Digital Private Limited Sec. 8, Pocket-D-12, Plot No 79, 3'd Floor, Gate No. 3, East McLro Station Rohini, New Delhi 110085	Notified Area of Delhi	Permanent (for 10 years) registration issued on 06.01.2013
85.	Rather Cable Network 9/130/2013- BP&L	Rather Cable Network Manigm Near Boys Higher Secondary School, Teh: LAR Distt: Ganderbal Jammu & Kashmir – 191201	Districts Manigam Lar, Ganderbal in the state of Jammu & Kashmir	Permanent (For 10 Years) registration given on 18.07.2014
86	Mona Netvision 9/105/2013 - BP&L	Mona Netvision (owned by Shri Pradip Keshralal Dhakre) Plot No. 13/2 Survey No. 377, Vrattdarshan Tower, Tilak Nagar, Sillod, Tehsil - Sillod, (4311121, Aurangabad	in the state of Maharashtra	Permanent (for 10 years) registration issued on 25.03.2014
87.	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
88.	Raja Rajeshwari Entertainment Pvt. Ltd. 9/43/2013 - BP&L	Raja Rajeshwari Entertainment pvt. Ltd. Trade Center , #29 / 4, 4trr Floor, Race Course Road, Bangalore-01	Notified areas of Nellore District	Permanent (for 10 years) registration issued on 28.03.2014
89.	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 A.P.	Notified areas of Siddipet,Medak,Wara ngal,Nalagonda, Karimnagar & Nizamabad	Permanent (For 10 Years) registration issued on 21.02.2014

Annexure 5.1 (Contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
90.	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
91.	Time-N-Tune Communication 9/97/2013 - BP&L	Time-N-Tune Communication 156- Jawahar Nagar, Talab Tillo, Jammu(J&K)- 02	Notified areas of Jammu & Kashmir , Punjab, Himachal Pradesh, Rajasthan,Haryana, Uttar Pradesh & Delhi	Permanent (for 10 years) registration issued on 23.01.2014
92.	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
93.	Air Media Network Pvt. Ltd. 9/138/2013- BP&L	Air Media Network Pvt. Ltd. 86, Periyar EVR\ high Road Chennai- 07	Phase I, II, III, IV	Permanent (For 10 Years) registration given on 19.06.2014
94	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
95.	Kerala Communicators Cable Limited, Kerala 9/83/2012 - BP&L	Kerala Communicators Cable Limited, Kerla VII 495 ABC, Near uzhaveer Temple, south Thravu, Pudukkad, Thrissur- 01	Notified area in the Stat of Kerla and Mahi.	Permanent (For 10 Years) registration given on 21.03.2014
96.	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
97.	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
98.	J.K Satellite 9/132/2013 - BP&L	J.K Satellite J K Building Near Distric Hospital Kulgam J&K- 192231	Districts of Kulgam, Anantang & Shopian in the state of J&K	Permanent (For 10 Years) registration given on 08.07.14
99.	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
100.	ACT Digital Home Entertainment Pvt Ltd 9/137/2012 - BP&L	ACT Digital Home Entertainment Pvt Ltd Trade Center 4th Floor 29/4 Race Course Road Banglore -560001 Karnataka	Andhra Pradesh and Telangana	Permanent (For 10 Years) registration given on 10.07.2014
101.	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
102.	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
103	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
104.	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
105.	Citi Cable Network 9/112/2013 BP&L	Citi Cable Network 6th Floor,F-1,J.S. Vas Arcade, Behaind Indus Bank, AbadeFariaaRoad, Margo- Goa- 406301	In the State of Goa	Permanent (For 10 Years) registration given on 25.07.2014
106.	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
107.	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
108.	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
109	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
110	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
111	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
112.	Operator digital Tamilnadu Pvt. Ltd. 9/137/2013 – BP&L	Operator digital Tamilnadu Pvt. Ltd. 1/506, B2, Palaniandavar Koli St, Neelambur P.O Coimbatore – 641 062	All the cities, towns & villages of Phase II, III & IV in Tamil Nadu.	Permanent (For 10 Years) registration given on 9.09.2014
113.	VK Digital Network 9/94/2012 – BP&L	VK Digital Network 3 A – 29, Willow Crest 6th Main Road, R. A. Puram, Chennai –28	Cities/Towns/Areas occurring against Phase I, Phase II, Phase III, Phase-IV.	Permanent (For 10 Years) registration given on 19.09.2014
114.	Saga Entertainment Network Pvt Ltd 9/70/2012 – BP&L	Saga Entertainment Network Pvt Ltd 2/187, 1st floor , 1st Main 4th Cross Gomathipuram, Madurai 625020	In the State of Tamil Nadu.	Permanent (For 10 Years) registration given on 22.09.2014
115.	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
116.	Voice & Vision Club 9/1/214 – BP&L	Voice & Vision Club (Prop. Munish Kumar Singh). M/Q – 349, Jayant, Singrauli (M.P) – 486890	Phase III & IV of Madhya Pradesh & Sonebhadra Districts of Uttar Pradesh.	Permanent (For 10 Years) registration given on 19.09.2014

Annexure 5.1 (Contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
117.	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
118	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, Visakhapatnam, 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
119.	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
120.	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
121.	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
122.	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
123	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
124.	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
125.	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
126.	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
127.	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
128.	Karuvai Communication LLP 9/53/2013-BP&L	Karuvai Communication LLP, No. 224, Anbu Nagar, 2nd Cross, Rayanoor, Thoranakalpatty, Karur – 6390003, TN	DAS notified areas in the State of Tamil Nadu.	Permanent (For 10 Years) registration given on 27.11.2014
129.	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
130	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
131.	Jai Mata Di Cable Network 9/6/2/2014 – BP &L	Jai Mata Di Cable Network Ward – 8, Near Vishwakarma Mandir, Kanina, Dist:- Mahendergarh Haryana – 123027	DAS notified areas in Mehendergarh, Rewari, Bhiwani & Jhajjar District of Haryana and Alwar & Jhunjhnu Districts of Rajasthan.	Permanent (For 10 Years) registration given on 15.12.2014
132.	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
133.	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
134.	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
135.	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
136.	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
137	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
138.	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

Annexure 5.1 (Contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
139	Mohit Sai Cable Network 9/68/2014 – BP&L	Mohit Sai Cable Network Panukuvalasa Village, D.No 2-233, Balajipeta Mandalam, Vizayanagaram District – 532557 Andhra Pradesh.	Vishakapatnam, Vizayanagaram & Srikakulam District in 3rd and 4th phase in the State of Andhra Pradesh	Registration for 10 years issued on 20.01. 2015
140	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-49	PAN India in all Phases	Registration for 10 years issued on 20.01. 2015
141	Chelikam Networks (India) Pvt. Ltd. 9/67/2014 – BP&L	Chelikam Networks (India) Pvt. Ltd. No. 16 II Floor, Muncipal 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
142	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
143	Utkal Cable Vision 9/48/2014 – BP&L	Utkal Cable Vision VPO Singhpur Binjhapur, Jajpur, Orissa – 755016.	In 3rd & 4th Phase of PAN Inida	Registration for 10 years issued on 23.01. 2015
144	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
147	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 Banglore – 560086	Karnataka in Phase – II, III and IV except Mysore city	Registration for 10 years issued on 05.02. 2015
146	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
147	Satlinks 9/56/2014 – BP &L	Satlinks Ms. P.K Asha Rani, Properietor of Satlinks, W/o R. B Anil Kumar; Samthrupthy, Vatanamkurussi (PO), Palakkad (District), Kerala – 679 124	In the State of Kerala	Registration for 10 years issued on 27.02. 2015

Annexure 5.1 (Contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
148	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
149	Cossco Communication Limited 9/83/2014 – BP&L	Cossco 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
150	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 – 91	Areas in all Districts in the state of Bihar except Madhepura and arawal	Registration for 10 years issued on 19.03. 2015
151	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, Yuksom, 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
152	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
153	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

Annexure 5.1 (Contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
154	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
155	M. C Transmission 9/172/2014 - BP&L	M. C Transmission Darbar Mohalla, Near Tagore Public School. Talwandi, Sabo, District - Bathinda (PB) Punjab		Registration for 10 years issued on 08.04. 2015
156	Skyvision Master Channel 9/110/2014 - BP&L	Skyvision Master Channel D.No : 4-8-30, Vikas Colony, S.B Street, Near G.M.C.Balayoti Stadium, Yanam - 533464 Puducherry	In Yanam and East Godavari District	Registration for 10 years issued on 09.04. 2015
157	Arohon Cable TV Network Limited 9/104/2014 - BP&L	Arohon Cable TV Network Limited SS Vision Building Amtala Bazar, Village - Amtala P.O. - Kanyanagar. PS- Bishnupur Dist - 24 PGS (south) West Bengal - 743398	District of 24 paraganas (south) which includes Amtala, Bishnupur, Daulatabad, Gabberia, Julpia, baruipur, Mruogranut, Srichanda, Bhasa, Bibirhut, Pailan, Roypur, Fatehpur, Sirakol, Sibanipur, Falta etc. and District of Howrah in the state of west Bengal under Phase III and IV	Registration for 10 years issued on 10.04. 2015
158	Machillipatnam Communication Private Limited 9/159/2014 - BP&L	Machillipatnam Communication Private Limited, 11/1160, Chemmanagripet, Machillipatnam - 01 Andhra Pradesh	In the Towns of entire Andhra Pradesh under Phase III & IV	Registration for 10 years issued on 08.04. 2015
159	Uday Infosys 9/13/2015 - BP&L	Uday Infosys Gurukrupa bldg., Talod road, Dhansura - 383310 Gujarat	Aravalli, Kheda and Sabarkantha Districts.	Registration for 10 years issued on 09.04. 2015
160	United Cable Communication 9/164/2014 - BP&L	United Cable Communication 202, Geeta Bhawan, 15 NWA, Punjabi Bagh West, New Delhi - 110026.	PAN India	Registration for 10 years issued on 09.04. 2015

Annexure 5.1 (Contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
161	Radiant Digitek Network Pvt. Ltd. 9/133/2014 – BP&L	Radiant Digitek Network Pvt. Ltd. G – 247, Road No. 5, IPIA Kota – 324005 Rajasthan	In Phase II, III, IV of entire Rajasthan	Registration for 10 years issued on 09.04. 2015
162	N.T Broadcasting 9/167/2014 – BP&L	N.T Broadcasting D.No. 175/B-7, Kannan Complex, Rajanagar, 2nd Street, Thuraimangalam (North), Ariyalur main Road, Perambalur - 621220 Tamilnadu	perambalur, Cuddalore, Salem, Villupuram, Trichy & Ariyalur districts in Tamil Nadu	Registration for 10 years issued on 09.04. 2015
163	SR Digital 9/122/2014 – BP&L	SR Digital Gandhi Park, Bhonsle Complex, Ashok Nagar – 473331 Madhya Pradesh	in the State of Madhya Pradesh including cities/ towns/villages under Phase II, III and IV	Registration for 10 years issued on 09.04. 2015
164	Mahathi Warangal Communications & Cable TV Network 9/23/2015 – BP & L	Mahathi Warangal Communications & Cable TV Network 1-8-1 1, Sub Station Road. Balasamudram, Hanamkonda, Warangal-506001	Warangal and karimnagar Districts	Registration for 10 years issued on 09.04. 2015
165	Yelamanchil Cable Network Pvt. Ltd. 9/112/2014	Yelamanchil Cable Network Pvt. Ltd. 18 – 197, H.B. Colony. Opp Vuda Apartments, Post Seethammadhara, Vishakhapatnam – 22	Phase III in the State of Andhra Pradesh and Telangana	Registration for 10 years issued on 10.04. 2015
166	Axom Communication & Cable Pvt. Ltd. 9/140/2014 – BP&L	Axom Communication & Cable Pvt. Ltd. Surya Tower. 3rd Floor, B. Baruah Road, Ulubari, Guwahati – 07	Guwahati and rest of Assam and Meghalaya, Manipur, Mizoram, Tripura, Arunachal Pradesh and Nagaland	Registration for 10 years issued on 16.04. 2015
167	Channel Nine Net 9/141/2014 – BP&L	Channel Nine Net No. TF-6, Oswal Towers Alurvenkatrao Circle. PB Road, Dharwad – 580001 Karnataka	Karnataka, Telangana, Andhra Pradesh, Maharashtra and Goa under Phase – III & IV	Registration for 10 years issued on 16.04. 2015
168	Sharma Electronics 9/126/2014 – BP&L	Sharma Electronics Baloon Bazzar, Dalhousie Cantt. – 176305 Distt. Chamba (H.P) Himachal Pradesh	Chamba District, Bakloh Chawari. Siunta in Chamba District and Nurpur, Kotla, Damtal, Kangra in Kangra District under Phase III & IV in the State of Himachal Pradesh	Registration for 10 years issued on 16.04. 2015

Annexure 5.1 (Contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
169	Sonu Cable Network 9/146/2014 – BP&L	Sonu Cable Network Industrial Area, Hafed Road Cheeka, Dist. Kaithal-136034 Haryana	Under III and IV in Haryana	Registration for 10 years issued on 15.04. 2015
170	Ali Cable Network 9/127/2014 – BP&L	Ali Cable Network Moh. Katarmal. Chandpur – 246725 District – Bijnor (UP)	District Bijnor, Amroha, Moradabad & Muzaffarnagar in the State of U.P.	Registration for 10 years issued on 20.04. 2015
171	Vaji Digital Network 9/09/2014 – BP&L	Vaji Digital Network Door No. 46 – 12-24/11, F.No. 402 Sakethlok Residency, Near Danavaipet Park, Rajamundry – 533103	City /town/areas in East Godavari and West Godavari Districts in Andhra Pradesh State	Registration for 10 years issued on 08.06. 2015
172	Crystal Vision Media Pvt. Ltd 9/102/2012 – BP&L	Crystal Vision Media Pvt. Ltd, E – 7, Second Floor, Kalkaji, Delhi - 110019	NCT of Delhi	Registration for 10 years issued on 08.06. 2015
173	Yashodeep Cable Network Pvt. Ltd 9/95/2014 – BP&L	Yashodeep Cable Network Pvt. Ltd X – 140, MIDC Waluj, Bajaj Nagar, Aurangadab – 4311001 Maharashtra	Areas in the State of Maharashtra	Registration for 10 years issued on 08.06. 2015
174	SCN Broadband Services 9/25/2014 – BP&L	SCN Broadband Services 62, Sahid Colony, P.O: Panihati, Kolkatta – 700 114 West Bengal	City/ town/area in the state of West Bengal under Phase I, II, III and IV	Registration for 10 years issued on 11.06. 2015
175	Den Sausht Entertainment Private Limited. 9/57/2014 – BP&L	Den Sausht Entertainment Private Limited, 106 , City Shop, B/H, P.P , Phulwala Yagnik Road, Rajkot, Gujarat	In the State of Gujarat under Phase – II III & IV.	Registration for 10 years issued on 11.06. 2015
176	Sojar Cable Network 9/135/2014 – BP&L	Sojar Cable Network 2712, B Navi Chati Gali, Barshi. District:-Solapur, Maharashtra - 413401	Solapur under Phase II and city/towns/areas in rest of Maharashtra and Karnataka under Phase III and IV.	Registration for 10 years issued on 15.06. 2015
177	Digirevo Network Pvt. Ltd 9/113/2013 – BP&L	Digirevo Network Pvt. Ltd Jyoti Complex, Second Floor, Chandani Chowk, Flat No. S-1, Sangli – 416416 Maharashtra	Sangli, Kolhapur, Satara, Solapur, Belgum, Sindhudurg, Ratnagiri, Chipalun & Barmati District.	Registration for 10 years issued on 15.06. 2015

Annexure 5.1 (Contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/Town/Area of Operation	Status
178	Spacelink Network Pvt.Ltd 9/69/2014 – BP&L	Spacelink Network Pvt.Ltd 202 – A Ward, Mangala Niwas, Nr. Ram Mandir, Bhangar Wadi, Lonavala, Pune– 410 401	City/town/areas of Maharashtra and Goa	Registration for 10 years issued on 10.06. 2015
179	Bright Way Communication 9/119/2014 – BP&L	Bright Way Communication Flat No. 516, 5th Floor, JVR Vaishnavi Towers, Jeedimetla Village, Hyderabad– 500067	In the State of Telangana/Andhra Pradesh under Phase – II, III &IV	Registration for 10 years issued on 11.06. 2015
180	Wiretel Digital Network Pvt. Ltd. 9/47/2012 – BP&L	Wiretel Digital Network Pvt. Ltd. Door No. 2-40, Sudarshan Cimplex, Near Sasanastambam, Main Bazar, Mangalagiri, Andhra Pradesh –522503	City/town/areas of Andhra Pradesh and Telangana under Phase II, III, and IV	Registration for 10 years issued on 18.06. 2015
181	Surbhi Diginet 9/121/2014 – BP&L	Surbhi Diginet Jawahar Marg, Old Kota Phatak, HDFC Bank, 1st Floor Nagda Dist. Ujjain – 456335 Maharashtra	City/town/Villages under Phase II, III & IV in the State of Madhya Pradesh	Registration for 10 years issued on 20.04. 2015
182	Bhoomika Digital Cable Services Pvt. Ltd. 9/80/2014– BP&L	Bhoomika Digital Cable Services Pvt. Ltd Thekkumthala Building, Azad Road, Kaloor, Kochi – 17 Kerala	In the State of Kerala	Registration for 10 years issued on 18.06. 2015
183	Dayal Cable Network 9/84/2014 – BP&L	Dayal Cable Network Prop. Shashi Kant Salahpur, Warr Number 4, P.O. Lolganj, District – Vaishali, Bihar	Vaishali District	Registration for 10 years issued on 18.06. 2015
184	BCN Media Pvt. Ltd. 9/94/2014 – BP&L	BCN Media Pvt. Ltd. C – 8, Ocean Plaza, Shalimar Garden, Extn – II, Sahibabad, Ghaziabad, U.P.	Delhi & Mumbai under Phase – I: Delhi NCR, Punjab, Haryana, Uttar Pradesh, Uttarakhand, Maharashtra and Rajasthan Phase II, III, & IV.	Registration for 10 years issued on 18.06. 2015
185	Subhodaya Communications Pvt. Ltd. 9/12/2014 – BP&L	Subhodaya Communications Pvt. Ltd. Plot No.71, Tarangini Residency, Spring Field Colony, Jeedimetla Village, Hyderabad– 500055	City/town/area in the State of Andhra Pradesh and Telangana under Phase II, III, and IV	Registration for 10 years issued on 18.06. 2015

Annexure 5.1 (Contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
186	Sri Bhavani Cable Net Work 9/120/2014 – BP&L	Shri Bhavani Cable Net Work Door No. 1 – 1 – 95, Nehru Nagar, Narayankhed , 502286 Telangana	Under Phase III & IV in the State of Telangana.	Registration for 10 years issued on 18.06. 2015
187	Kothapeta Communication Network 9/89/2014 – BP&L	Kothapeta Communication Network Prop. Shri. N. Veera Venkata Raja kumar, 3-62,/1A, Main Road, Kothapeta – 533223 East Godavari District, A.P.	Easr Godavari, West Godavari and Vishakhapatnam Districts in the State of Andhra Pradesh	Registration for 10 years issued on 18.06. 2015
188	Rajasthan Infotech Media services Pvt. Ltd. 9/59/2013– BP&L	Rajasthan Infotech Media services Pvt. Ltd. B – 104 Vaishali Nagar, Jaipur – 302021 Rajasthan	PAN India	Registration for 10 years issued on 18.06. 2015
189	Kanyakumari Cable TV Diginet Pvt. Ltd. 9/145/2014 – BP&L	Kanyakumari Cable TV Diginet Pvt. Ltd. Adv Nelson Plazha, No 421/2, Opp P.W.D Office, Veppamoodu Junction, Nagarcoil, Kanyakumari District, Tamilnadu – 629 001	Tamil Nadu under Phase III and IV.	Registration for 10 years issued on 15.06. 2015
190	S R Digital TV & Broadband Pvt. Ltd. 9/123/2014 – BP&L	S R Digital TV & Broadband Pvt. Ltd. 335, 3rd Floor, Orbit Mall, AB Road, Indore – 452 001 Madhya Pradesh	City/town/areas in the State of Madhya Pradesh under Phase II, III, and IV	Registration for 10 years issued on 22.06. 2015
191	Goldy Diginet Pvt. Ltd. 9/08/2015 – DAS	Goldy Diginet Pvt. Ltd. 177, Mohan Colony Banswara Rajasthan -327001	PAN India	Registration for 10 years issued on 26.06. 2015
192	Lucky Cable Vision 9/02/2015 – DAS	Lucky Cable Vision No. 151/2, Kottur Road, Near Omprakash Theatre, Pollachi - 642001 (Taluka) Coimbatore (District), Tamil Nadu	Notified area in all cities, towns, Town Panchayats, Village Panchayats of Pollachi (Taluka) Udhumalpet (Taluka), Palani (Taluka), Valparai (Taluka), Kinathu, Kadavu (Taluka) in Tamil Nadu under Phase III & Phase IV	Registration for 10 years issued on 26.06. 2015

Annexure 5.1 (Contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
193	E-Cable Vision 9/45/2015-BP & L	E-Cable Vision (Shri Devesh Soni, Prop.) Banke Bihari Complex 1st Floor, Ganesh Chowk Dhamtari (C.G.) Chhattisgarh	Notified areas of the Districts of Dhamtari, Charama, Kanker, Keskal, Konda Goan, Jagdalpur, Gidam, Dantewada, Kirndul, Nagarnar, Balod, Dalli Rajraha, hanupartapur, Mahasamund, Kurud and Nagri under Phase-III & IV	Registration for 10 years issued on 27.06. 2015
194	Manair Digital Entertainment Networks 9/91/2015-DAS	Manair Digital Entertainment Networks D.No: 10-2-13, Vidyanagar, Karimnagar, Telangana - 505001	Notified areas in Telangana	Registration for 10 years issued on 27.06. 2015
195	King Digital Network LLP 9/206/2015 - DAS	King Digital Network LLP 77/3, Kullar Street, Manakkadu Hasthampatti, Salem, Tamil Nadu - 636007	Notified areas in Salem in Tamil Nadu,	Registration for 10 years issued on 27.06. 2015
196	Narmada Cable Network 9/69/2015 - DAS	Shri Bijendra Madhav Gupta Prop. Of M/s Narmada Cable Network, High School Road, Kareli - 487221 Distt. Narsinghpur (M.P.)	Notified areas in Kareli and Narsinghpur Tehsils in the State of Madhya Pradesh,	Registration for 10 years issued on 27.06. 2015
197	Linkmen Services Pvt. Ltd. 9/97/2012 - BP&L	Linkmen Services Pvt. Ltd. 12/2, Old Post Office Street, Kolkata.	Notified areas in the State of West Bengal	Registration for 10 years issued on 27.06. 2015
198	J K Cable Network 9/137/2014 - BP&L	JK Cable Network (Prop. Shri lmtiyaz Ahmad Mir) Sopore, Kashmir, Near General Bus Stand Sopore, District Baramulla J&K – 193201 Jammu and Kashmir	Notified areas in Sopore, Baramula, Zainageer, Rafiabab, Bandipora, Handwara, Kupwara, Uri, Pattan, Tangmarg, Gulmdrg, Sumbal, Hajin, Narbal and parts of Srinagar	Registration for 10 years issued on 27.06. 2015
199	Engineer's Resource Associates India Pvt. Ltd. 9/177/2014 - BP&L	Engineer's Resource Associates India Pvt. Ltd. Palotan Ganj Gadarwara Narsinghpur, MP – 487551 Madhya Pradesh	PAN India	Registration for 10 years issued on 27.06. 2015

Annexure 5.1 (Contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/Town/Area of Operation	Status
200	Desh Entertainment Pvt. Ltd. 9/152/2014- BP & L	Desh Entertainment Pvt. Ltd. 21, Ramakrishna Road, Roydanga Unnayan Pally Durgapur-1, District- Bardhaman- 713 201 West Bengal	Notified areas in the State of West Bengal Under Phase III & IV	Registration for 10 years issued on 27.06. 2015
201	Sai Digital Services 9/14/2015 - BP&L	Sai Digital Services Plot No. 58 & 59, Reddy Colony, Miryalguda - 508207, District. - Nalgonda Telangana	Notified areas in City/Town/Area in the State of Andhra Pradesh and Telangana under Phase III and IV	Registration for 10 years issued on 27.06. 2015
202	INSAT Cable Network 9/30/2014 - BP&L	INSAT Cable Network (Ms. Varsha Jitendra Pisal, prop.) 9, Gopal Krishna Apartment, 440/441, Ganpatiali Taluka - Wai, District - Satara -412803 Maharashtra	Notified areas of Sitara, Pune, Sangli, Solapur and Raigard/Sindu Durg Districts in the State of Maharashtra	Registration for 10 years issued on 27.06. 2015
203	Mahapatra Dooradarshan Cable Network System 9/127/2015 - DAS	Shri Sibaram Mahapatro Prop. Of M/s Mahapatra Dooradarshan Cable Network System At Post office Street, Patrapur - 761004	Notified areas in Ganjam District in the State of Odisha	Registration for 10 years issued on 27.06. 2015
204	Raj Cable Network 9/11/2015 - DAS	Shri Abid Hussain Proprietor of Raj Cable Network, Ward No.- 08, Near Texi Stand, Islamganj, Post- Kotma, District - Anuppur (M.P) - 484334	Notified areas in Anuppur, Shahdol and Umaria District in the state of Madhya Pradesh and Korla, Surajpur and Ambikapur District in the state of Chhattisgarh,	Registration for 10 years issued on 28.06. 2015
205	Baba Nanak Optical & Fiber 9/173/2015 - BP&L	Baba Nanak Optical & Fiber, VPO- Chak Mahanta Wala Tehsil- Guruharsahai District- Firozpur- 152002, Punjab	Notified areas in City/Town areas in the State of Punjab	Registration for 10 years issued on 27.06. 2015
206	Aurangabad Satellite Cable Service Centre 9/86/2014 - BP&L	Aurangabad Satellite Cable Service Centre Aurangabad District- Murshidabad West Bengal- 742201	Notified areas in the Entire West Bengal	Registration for 10 years issued on 26.06. 2015

Annexure 5.1 (Contd.)

Sl. No	Name of the MSO	Address of the MSO	Permitted City/ Town/Area of Operation	Status
207	SM Cable 9/161/2014 – BP&L	Shri Mohammad Sabir, Proprietor of M/s SM Cable Shastri Ghawk, Bafotra - 944022 Rajasthan	Notified area in City/Town/Area Pachpadra in Barmer District of Rajasthan	Registration for 10 years issued on 27.06. 2015
208	Multireach Media Pvt. Ltd 9/52/2014 – BP&L	Multireach Media Pvt. Ltd., Multicon Group, "Mansarowar" 38, Cama Street, Kolkata – 700016 West Bengal	PAN India operation under Phase- I, II, III & IV,	Registration for 10 years issued on 24.06. 2015
209	Diamond Cable Network 9/147/2014 – BP&L	Diamond Gable Network (Jubin Khan A. Bashid Khan, Prop.) Muslim Library Square, Bhandara, Maharashtra	Notified areas in Town and Villages of Bhandara, Gondia & Nagpur Districts of Maharashtra under Phase-III & IV	Registration for 10 years issued on 24.06. 2015
210	Subhasri Entertainment 9/85/2014 – BP&L	Subhasri Entertainment Plot No 71, Tarangini Residency Spring Field Colony, Jeedimelta Village, Hyderabad - 500055 Andhra Pradesh	City/town/area in the state of Andhra Pradesh and Telangana	Registration for 10 years issued on 24.06. 2015
211	Navatha Cable TV Network 9/150/2014 – BP&L	Navatha Cable TV Network #3-159, Ravindranagar Railway Station Road, Miryalguda District – Nalgonda,	Nalagonda & Khammam Districts of Telangana state and Guntur District in the state of Andhra Pradesh under Phase III and IV	Registration for 10 years issued on 13.06. 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 Odia
		93	ETV News Gujarati
30	M/s Paul Entertainments Pvt Limited	94	9X Tashan (Earlier name "Purvaiya")
31	M/s Prism Television Private Limited	95	ETV Bangla
		96	ETV Gujarati
		97	ETV Kannada
		98	ETV Marathi
		99	ETV Oriya
32	M/s Raj Television Network Limited	100	Raj Musix Kannada
		101	Raj Digital Plus
		102	Raj Musix
		103	Raj News
		104	Raj TV
		105	Vissa TV
33	M/s Reliance BIG Broadcasting Pvt Limited	106	BIG MAGIC
		107	Big Magic Ganga (Earliar name "Big Magic Bihar")
34	M/s Sahara India Commercial Corporation Ltd	108	Sahara Filmy
		109	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	110	Sarthak TV
36	M/s Silverstar Communications Limited	111	Mega 24
		112	Mega Musiq
		113	Mega TV
37	M/s Star India Private Limited	114	Channel (V)
		115	Star Sports 4 (Earlier name of "ESPN")
		116	FX
		117	Life Ok (earlier name "Star One")
		118	Movies OK (earlier name "Gold Action")
		119	Star Sports 3 (Earlier name of "Star Cricket")
		120	Star Gold
		121	Star Jalsha
		122	Star Movies
		123	Star Movies Action
		124	Star Plus
		125	Star Pravah
		126	Star Sports 1(Earlier name "Star Sports")
		127	Star Sports 2
		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 Premiere HD		
139	Star World HD		
140	Star Movie Select HD		
38	M/s SUN TV Network Limited	141	Adithya TV
		142	Chintu TV
		143	Chutti TV
		144	Gemini Comedy
		145	Gemini Life
		146	Gemini Movies
		147	Gemini Music
		148	Gemini News
		149	Gemini TV

Annexure 5.2 (contd.)

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

Annexure 5.2 (contd.)

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

Annexure 5.2 (contd.)

Sl. No.	Name of the broadcaster	Sl.No	Name of the channel
		233	Zee Studio HD
		234	Zee Bangla
		235	Zee Marathi
		236	& TV
		237	& TV HD
		238	& Pictures HD
51	M/s Zee Media Corporation Limited	239	Zee 24 Taas
		240	Zee Kalinga (Earlier name "Zee 24 Ghantalu)
		241	Zee Business
		242	Zee Kannada
		243	Zee News
		244	Zee Punjab Haryana Himachal (Earlier name "Zee Punjabi")
		245	Zee Telugu
		246	Zee Madhya Pradesh Chattisgarh
		247	Zee Marudhara (Earlier name "Zee Rajasthan Plus")
52	M/s Zoom Entertainment Network Limited	248	Movies Now
53	M/s The Walt Disney Company (India) Pvt Limited	249	Disney XD (Earlier name "Toon Disney")
		250	The Disney Channel
54	M/s AXN Networks India Private Limited	251	SONY KIX
		252	AXN HD

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 OPERATION- LISATION
101	PUDUCHERRY (UT)	MALAR PUBLICATIONS	HELLO-FM	23.12.2007
102	TIRUCHI	MALAR PUBLICATIONS	HELLO-FM	14.01.2008
103	TIRUNELVELI	MALAR PUBLICATIONS	HELLO-FM	13.10.2007
104	TUTICORIN	MALAR PUBLICATIONS	HELLO-FM	15.10.2007
105	KANNUR	MALAYALA MANORAMA CO. LTD.	MANGO FM	30.12.2007
106	KOCHI	MALAYALA MANORAMA CO. LTD.	MANGO FM	18.05.2008
107	KOZIKODE	MALAYALA MANORAMA CO. LTD.	MANGO FM	29.11.2007
108	THRISSUR	MALAYALA MANORAMA CO. LTD.	MANGO FM	14.12.2007
109	AHMEDABAD	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	25.07.2007
110	AHMEDNAGAR	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	08.02.2008
111	AKOLA	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	07.02.2008
112	BENGALURU	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	10.06.2001 (01.04.2005*)
113	CHENNAI	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	10.07.2006
114	COIMBATORE	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	12.11.2007
115	DELHI	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	29.04.2003 (01.04.2005*)
116	HYDERABAD	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	30.05.2006
117	JAIPUR	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	08.09.2006
118	JALGOAN	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	22.05.2008
119	LUCKNOW	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	10.12.2001 (01.04.2005*)
120	MUMBAI	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	21.05.2002 (01.04.2005*)
121	NAGPUR	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	21.10.2007
122	NANDED	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	15.05.2008
123	PUNE	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	10.04.2008
124	SANGLI	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	21.12.2007
125	SHOLAPUR	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	14.11.2007
126	SURAT	MUSIC BROADCAST PVT. LTD.	RADIO-CITY	22.08.2007

Annexure 5.3 (Contd.)

S No.	CITY	NAME OF THE COMPANY	CHANNEL IDENTITY	DATE OF OPERATIONALISATION
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 SALLAKE ELECTRONIC COMPLEX SECTOR-5, KOLKATA WEST BANGAL	KOLKATA	15-Jun-07
54	INDIASIGN PVT. LTD.		CHENNAI	15-Jun-07
55	RACHANA TELEVISION PVT. LTD.	PLOT NO. 564-A-19-III, ROAD NO.92, JUBILEE HILLS, HYDERABAD-500033	HYDERABAD	15-Jun-07
56	ORTEL COMMUNICATIONS LTD.	ORTEL COMMUNICATIONS LTD. B-7/122 A, SAFDARJUNG ENCLAVE, NEW DELHI-110029	BHUBANESHWER	25-Jun-07
57	SOWBHAGYA EXPORTS LTD.	SOWBHAGYA EXPORTS LTD. 77/14 SKD NAGER, SRINAGER COLONY HYDERABAD-500073 ANDHRA PRADESH	HYDERABAD	4-Jul-07
58	ESSEL SHYAM COMMUNICATION LTD.	C-138, NARAINA INDUSTRIAL AREA-I, AROOR NEW DELI-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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