

Spectrum Holdings of Telecom Service Providers (TSPs) as on 31st January, 2015

Sl. No.	Service Area	Name of the Operator	Spectrum holding by TSPs (in MHz)					Total Spectrum Holdings
			900MHz Band (FDD)	1800MHz Band (FDD)	800MHz Band (FDD)	2100 MHz Band (FDD)	2300 & 2500 MHz Bands (TDD)	
1	Andhra Pradesh	Aircel Ltd		8.80	-	10.00	20.00	38.80
		Bharti Airtel Limited	-	17.60	-	10.00		27.60
		Bharat Sanchar Nigam Limited	12.40	7.60	2.50	10.00		32.50
		Idea Cellular Ltd.	-	12.00	-	10.00		22.00
		Reliance Jio Infocom Ltd.	-	11.60	-	-	20.00	31.60
		Reliance Communications Ltd.	-	8.80	10.00	-		18.80
		Telewings Communications Services Pvt. Ltd.	-	12.80	-	-		12.80
		Tata Teleservices Ltd.	-	8.80	5.00	-		13.80
		Vodafone South Ltd	-	13.60	-	-		13.60
		Total in SA	12.40	101.60	17.50	40.00	40.00	211.50
2	Assam	Bharti Airtel Limited	3.60	11.30	-	10.00		24.90
		Bharat Sanchar Nigam Limited	12.40	7.60	5.00	10.00	20.00	55.00
		Dishnet Wireless Ltd.	8.80	3.60	-	10.00	20.00	42.40
		Idea Cellular Ltd.	-	10.00	-	-		10.00
		Reliance Jio Infocom Ltd.	-	10.80	-	-	20.00	30.80
		Reliance Telecom Ltd.	-	-	-	10.00		10.00
		Telewings Communications Services Pvt. Ltd.	-	12.00	-	-		12.00
		Vodafone Spacetel Ltd.	-	13.80	-	-		13.80
		Total in SA	24.80	69.10	5.00	40.00	60.00	198.90
3	Bihar	Bharti Airtel Limited	12.40	6.00	-	10.00		28.40
		Bharat Sanchar Nigam Limited	12.40	7.60	5.00	10.00	20.00	55.00
		Dishnet Wireless Ltd.	-	8.80	-	10.00	20.00	38.80
		Aditya Birla Telecom Ltd.	-	11.30	-	-		11.30
		Reliance Jio Infocom Ltd.	-	-	-	-	20.00	20.00
		Reliance Telecom Ltd.	-	-	-	10.00		10.00
		Reliance Communications Ltd.	-	-	10.00	-		10.00
		Telewings Communications Services Pvt. Ltd.	-	14.40	-	-		14.40
		Tata Teleservices Ltd.	-	8.80	5.00	-		13.80
		Videocon Telecommunications Ltd.	-	10.00	-	-		10.00
		Total in SA	24.80	80.70	20.00	40.00	60.00	225.50

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			900MHz Band (FDD)	1800MHz Band (FDD)	800MHz Band (FDD)	2100 MHz Band (FDD)	2300 & 2500 MHz Bands (TDD)	
4	Delhi	Aircel Ltd	-	8.80	-	-		8.80
		Bharti Airtel Limited	12.00	14.00	-	10.00		36.00
		Idea Cellular Ltd.	10.00	17.20	-	-		27.20
		Reliance Jio Infocom Ltd.	-	10.80	-	-	20.00	30.80
		Mahanagar Telephone Nigam Ltd.	12.40	4.40	-	10.00		26.80
		Airtel Broadband Services Pvt. Ltd.	-	-	-	-	20.00	20.00
		Reliance Communications Ltd.	-	8.80	10.00	10.00		28.80
		Sistema Shyam Teleservices Ltd.	-	-	7.50	-		7.50
		Tata Teleservices Ltd.	-	-	7.50	-		7.50
		Vodafone Mobile Services Ltd.	10.00	16.00	-	10.00		36.00
		Total in SA	44.40	80.00	25.00	40.00	40.00	229.40
5	Gujarat	Aircel Ltd	-	8.80	-	-		8.80
		Bharti Airtel Limited	-	12.40	-	-		12.40
		Bharat Sanchar Nigam Limited	12.40	2.40	5.00	10.00		29.80
		Idea Cellular Ltd.	-	3.20	-	10.00		13.20
		Reliance Jio Infocom Ltd.	-	12.00	-	-	20.00	32.00
		Reliance Communications Ltd.	-	8.80	7.50	-		16.30
		Sistema Shyam Teleservices Ltd.	-	-	7.50	-		7.50
		Telewings Communications Services Pvt. Ltd.	-	10.00	-	-		10.00
		Tikona Digital Networks	-	-	-	-	20.00	20.00
		Tata Teleservices Ltd.	-	8.80	5.00	10.00		23.80
		Videocon Telecommunications Ltd.	-	10.00	-	-		10.00
		Vodafone West Ltd.	-	8.80	-	10.00		18.80
		Total in SA	12.40	85.20	25.00	40.00	40.00	202.60
6	Haryana	Bharti Airtel Limited	-	12.40	-	-		12.40
		Bharat Sanchar Nigam Limited	12.40	7.60	2.50	10.00	20.00	52.50
		Dishnet Wireless Ltd.	-	8.80	-	-		8.80
		Idea Cellular Ltd.	-	12.00	-	10.00		22.00
		Reliance Jio Infocom Ltd.	-	-	-	-	20.00	20.00
		Airtel Broadband Services Pvt. Ltd.	-	-	-	-	20.00	20.00
		Reliance Communications Ltd.	-	8.80	7.50	-		16.30
		Tata Teleservices Ltd.	-	8.80	5.00	10.00		23.80
		Videocon Telecommunications Ltd.	-	10.00	-	-		10.00
		Vodafone Digilink Ltd.	-	9.80	-	10.00		19.80
		Total in SA	12.40	78.20	15.00	40.00	60.00	205.60

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			900MHz Band (FDD)	1800MHz Band (FDD)	800MHz Band (FDD)	2100 MHz Band (FDD)	2300 & 2500 MHz Bands (TDD)	
7	Himachal Pradesh	Bharti Airtel Limited	-	20.40	-	10.00		30.40
		Bharat Sanchar Nigam Limited	12.40	7.60	5.00	10.00	20.00	55.00
		Dishnet Wireless Ltd.	-	8.80	-	-		8.80
		Idea Cellular Ltd.	-	8.80	-	10.00		18.80
		Reliance Jio Infocom Ltd.	-	-	-	-	20.00	20.00
		Reliance Communications Ltd.		-	5.00			5.00
		Reliance Telecom Ltd.	-			10.00		10.00
		Tikona Digital Networks	-	-	-	-	20.00	20.00
		Tata Teleservices Ltd.	-	8.80	5.00	-		13.80
Vodafone Spacetel Ltd.	-	11.30	-	-		11.30		
		Total in SA	12.40	65.70	15.00	40.00	60.00	193.10
8	Jammu & Kashmir	Bharti Airtel Limited	12.40	5.20	-	10.00		27.60
		Bharat Sanchar Nigam Limited	16.00	-	5.00	10.00	20.00	51.00
		Dishnet Wireless Ltd.	8.80	3.60	-	10.00	20.00	42.40
		Idea Cellular Ltd.	-	10.00	-	10.00		20.00
		Reliance Jio Infocom Ltd.	-	-	-	-	20.00	20.00
		Reliance Communications Ltd.	-	8.80	5.00	10.00		23.80
		Vodafone Spacetel Ltd.	-	13.80	-	-		13.80
		Total in SA	37.20	41.40	10.00	50.00	60.00	198.60
9	Karnataka	Aircel Ltd	-	8.80	-	10.00		18.80
		Bharti Airtel Limited	-	17.60	-	10.00	20.00	47.60
		Bharat Sanchar Nigam Limited	12.40	7.60	5.00	10.00		35.00
		Reliance Jio Infocom Ltd.	-	10.00	-	-	20.00	30.00
		Reliance Communications Ltd.	-	8.80	10.00	-		18.80
		Idea Cellular Ltd.	-	10.00	-	-		10.00
		Sistema Shyam Teleservices Ltd.	-	-	7.50	-		7.50
		Tata Teleservices Ltd.	-	8.80	5.00	10.00		23.80
Vodafone South Ltd.	-	26.00	-	-		26.00		
		Total in SA	12.40	97.60	27.50	40.00	40.00	217.50

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			900MHz Band (FDD)	1800MHz Band (FDD)	800MHz Band (FDD)	2100 MHz Band (FDD)	2300 & 2500 MHz Bands (TDD)	
10	Kerala	Bharti Airtel Limited	-	22.40	-	-	-	22.40
		Bharat Sanchar Nigam Limited	12.40	7.60	5.00	10.00	20.00	55.00
		Dishnet Wireless Ltd.	-	8.80	-	10.00	-	18.80
		Idea Cellular Ltd.	-	20.00	-	10.00	-	30.00
		Reliance Jio Infocom Ltd.	-	10.00	-	-	20.00	30.00
		Airtel Broadband Services Pvt. Ltd.	-	-	-	-	20.00	20.00
		Reliance Communications Ltd.	-	8.80	10.00	-	-	18.80
		Sistema Shyam Teleservices Ltd.	-	-	7.50	-	-	7.50
		Tata Teleservices Ltd.	-	8.80	5.00	10.00	-	23.80
		Vodafone Cellular Ltd.	-	16.50	-	-	-	16.50
		Total in SA	12.40	102.90	27.50	40.00	60.00	242.80
11	Kolkata	Dishnet Wireless Ltd.	-	8.80	-	10.00	-	18.80
		Bharti Airtel Limited	14.00	10.00	-	-	20.00	44.00
		Bharat Sanchar Nigam Limited	12.40	7.60	2.50	10.00	-	32.50
		Idea Cellular Ltd.	-	10.00	-	-	-	10.00
		Reliance Jio Infocom Ltd.	-	10.00	-	-	20.00	30.00
		Reliance Communications Ltd.	-	-	10.00	-	-	10.00
		Reliance Telecom Ltd.	-	12.40	-	10.00	-	22.40
		Sistema Shyam Teleservices Ltd.	-	-	7.50	-	-	7.50
		Tata Teleservices Ltd.	-	8.80	5.00	-	-	13.80
		Vodafone East Ltd.	14.00	16.00	-	10.00	-	40.00
		Total in SA	40.40	83.60	25.00	40.00	40.00	229.00
12	Madhya Pradesh	Augere Wireless BB India Pvt. Ltd.	-	-	-	-	20.00	20.00
		Bharti Airtel Limited	-	24.00	-	-	-	24.00
		Bharat Sanchar Nigam Limited	12.40	7.60	5.00	10.00	20.00	55.00
		Dishnet Wireless Ltd.	-	8.80	-	-	-	8.80
		Idea Cellular Ltd.	-	14.00	-	10.00	-	24.00
		Reliance Jio Infocom Ltd.	-	12.80	-	-	20.00	32.80
		Reliance Communications Ltd.	-	-	10.00	-	-	10.00
		Reliance Telecom Ltd.	-	-	-	10.00	-	10.00
		Tata Teleservices Ltd.	-	8.80	5.00	10.00	-	23.80
		Videocon Telecommunications Ltd.	-	10.00	-	-	-	10.00
Vodafone Spacetel Ltd.	-	13.80	-	-	-	13.80		
		Total in SA	12.40	99.80	20.00	40.00	60.00	232.20

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			900MHz Band (FDD)	1800MHz Band (FDD)	800MHz Band (FDD)	2100 MHz Band (FDD)	2300 & 2500 MHz Bands (TDD)	
13	Maharashtra	Aircel Ltd	-	8.80	-	-		8.80
		Bharti Airtel Limited	-	16.40	-	-	20.00	36.40
		Bharat Sanchar Nigam Limited	12.40	7.60	5.00	10.00		35.00
		Idea Cellular Ltd.	-	18.00	-	10.00		28.00
		Reliance Jio Infocom Ltd.	-	10.00	-	-	20.00	30.00
		Reliance Communications Ltd.	-	8.80	10.00	-		18.80
		Telewings Communications Services Pvt. Ltd.	-	10.00	-	-		10.00
		Tata Teleservices(Maharashtra) Ltd.	-	8.80	5.00	10.00		23.80
		Vodafone Cellular Ltd.	-	2.50	-	10.00		12.50
		Total in SA	12.40	90.90	20.00	40.00	40.00	203.30
14	Mumbai	Aircel Ltd	-	8.80	-	-		8.80
		Bharti Airtel Limited	10.00	30.40	-	10.00		50.40
		Idea Cellular Ltd.	-	12.80	-	-		12.80
		Reliance Jio Infocom Ltd.	-	13.20	-	-	20.00	33.20
		Mahanagar Telephone Nigam Ltd.	12.40	4.40	-	10.00		26.80
		Airtel Broadband Services Pvt. Ltd.	-	-	-	-	20.00	20.00
		Reliance Communications Ltd.	-	10.00	10.00	10.00		30.00
		Tata Teleservices(Maharashtra) Ltd.	-	8.80	7.50	-		16.30
		Vodafone India Ltd.	22.00	16.40	-	10.00		48.40
		Total in SA	44.40	104.80	17.50	40.00	40.00	246.70
15	North East	Bharti Hexacom Ltd.	-	14.00	-	10.00		24.00
		Bharat Sanchar Nigam Limited	12.40	7.60	5.00	10.00	20.00	55.00
		Dishnet Wireless Ltd.	8.80	3.60	-	10.00	20.00	42.40
		Idea Cellular Ltd.	-	20.00	-	-		20.00
		Reliance Jio Infocom Ltd.	-	12.80	-	-	20.00	32.80
		Reliance Telecom Ltd.	-	-	-	10.00		10.00
		Vodafone Spacetel Ltd.	-	13.80	-	-		13.80
		Total in SA	21.20	71.80	5.00	40.00	60.00	198.00

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			900MHz Band (FDD)	1800MHz Band (FDD)	800MHz Band (FDD)	2100 MHz Band (FDD)	2300 & 2500 MHz Bands (TDD)	
16	Orissa	Bharti Airtel Limited	12.40	13.60	-	-		26.00
		Bharat Sanchar Nigam Limited	12.40	7.60	5.00	10.00	20.00	55.00
		Dishnet Wireless Ltd.	-	8.80	-	10.00	20.00	38.80
		Idea Cellular Ltd.	-	10.00	-	-		10.00
		Reliance Jio Infocom Ltd.	-	10.00	-	-	20.00	30.00
		Reliance Communications Ltd.	-	-	7.50	-		7.50
		Reliance Telecom Ltd.	-	-	-	10.00		10.00
		Tata Teleservices Ltd.	-	8.80	5.00	-		13.80
		Vodafone Spacetel Ltd.	-	13.80	-	-		13.80
		Total in SA	24.80	72.60	17.50	30.00	60.00	204.90
17	Punjab	Dishnet Wireless Ltd.	-	8.80	-	10.00		18.80
		Bharti Airtel Limited	-	16.40	-	-	20.00	36.40
		Bharat Sanchar Nigam Limited	12.40	-	2.50	10.00	20.00	44.90
		Quadrant Televenture Limited	-	8.80	5.00	-		13.80
		Idea Cellular Ltd.	-	16.00	-	10.00		26.00
		Reliance Jio Infocom Ltd.	-	-	-	-	20.00	20.00
		Reliance Communications Ltd.	-	8.80	7.50	10.00		26.30
		Tata Teleservices Ltd.	-	8.80	5.00	10.00		23.80
		Vodafone South Ltd.	-	16.10	-	-		16.10
		Total in SA	12.40	83.70	20.00	50.00	60.00	226.10
18	Rajasthan	Aircel Ltd	-	12.00	-	-		12.00
		Bharti Hexcom Ltd.	-	16.40	-	10.00		26.40
		Bharat Sanchar Nigam Limited	12.40	3.60	5.00	10.00	20.00	51.00
		Idea Cellular Ltd.	-	12.40	-	-		12.40
		Reliance Jio Infocom Ltd.	-	-	-	-	20.00	20.00
		Reliance Communications Ltd.	-	8.80	7.50	10.00		26.30
		Sistema Shyam Teleservices Ltd.	-	8.80	10.00	-		18.80
		Tikona Digital Networks	-	-	-	-	20.00	20.00
		Tata Teleservices Ltd.	-	8.80	5.00	10.00		23.80
		Vodafone Digilink Ltd.	-	1.60	-	-		1.60
		Total in SA	12.40	72.40	27.50	40.00	60.00	212.30

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19	Tamil Nadu	Aircel Ltd	15.60	4.80	-	10.00	20.00	50.40
		Bharti Airtel Limited	12.40	16.00	-	10.00		38.40
		Bharat Sanchar Nigam Limited	12.40	7.60	5.00	10.00		35.00
		Idea Cellular Ltd.	-	10.00	-	-		10.00
		Reliance Jio Infocom Ltd.	-	12.40	-	-	20.00	32.40
		Reliance Communications Ltd.	-	8.80	10.00	-		18.80
		Sistema Shyam Teleservices Ltd.	-	-	7.50	-		7.50
		Tata Teleservices Ltd.	-	8.80	5.00	-		13.80
		Vodafone Cellular Ltd.	-	16.00	-	10.00		26.00
		Total in SA	40.40	84.40	27.50	40.00	40.00	232.30
20	Uttar Pradesh (East)	Dishnet Wireless Ltd.	-	12.40	-	10.00		22.40
		Bharti Airtel Limited	12.40	2.00	-	-		14.40
		Bharat Sanchar Nigam Limited	12.40	7.60	5.00	10.00	20.00	55.00
		Idea Cellular Ltd.	-	12.40	-	10.00		22.40
		Reliance Jio Infocom Ltd.	-	-	-	-	20.00	20.00
		Reliance Communications Ltd.	-	8.80	10.00	-		18.80
		Telewings Communications Services Pvt. Ltd.	-	13.60	-	-		13.60
		Tikona Digital Networks	-	-	-	-	20.00	20.00
		Tata Teleservices Ltd.	-	8.80	5.00	-		13.80
		Videocon Telecommunications Ltd.	-	10.00	-	-		10.00
		Vodafone Digilink Ltd.	-	10.50	-	10.00		20.50
		Total in SA	24.80	86.10	20.00	40.00	60.00	230.90
21	Uttar Pradesh (West)	Dishnet Wireless Ltd.	-	8.80	-	-		8.80
		Bharti Airtel Limited	-	12.40	-	10.00		22.40
		Bharat Sanchar Nigam Limited	12.40	7.60	5.00	10.00	20.00	55.00
		Idea Cellular Ltd.	-	-	-	10.00		10.00
		Reliance Jio Infocom Ltd.	-	-	-	-	20.00	20.00
		Reliance Communications Ltd.	-	8.80	10.00	-		18.80
		Sistema Shyam Teleservices Ltd.	-	-	7.50	-		7.50
		Telewings Communications Services Pvt. Ltd.	-	14.00	-	-		14.00
		Tikona Digital Networks	-	-	-	-	20.00	20.00
		Tata Teleservices Ltd.	-	8.80	5.00	10.00		23.80
		Videocon Telecommunications Ltd.	-	10.00	-	-		10.00
		Vodafone South Ltd.	12.40	5.00	-	-		17.40
				Total in SA	24.80	75.40	27.50	40.00

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22	West Bengal	Bharti Airtel Limited	8.80	12.40	-	10.00		31.20
		Bharat Sanchar Nigam Limited	12.40	3.60	5.00	10.00	20.00	51.00
		Dishnet Wireless Ltd.	-	11.20	-	10.00	20.00	41.20
		Idea Cellular Ltd.	-	12.50	-	-	-	12.50
		Reliance Jio Infocom Ltd.	-	11.20	-	-	20.00	31.20
		Reliance Communications Ltd.	-	-	7.50	-	-	7.50
		Reliance Telecom Ltd.	-	-	-	10.00	-	10.00
		Sistema Shyam Teleservices Ltd.	-	-	7.50	-	-	7.50
		Tata Teleservices Ltd.	-	8.80	5.00	-	-	13.80
		Vodafone South Ltd.	8.80	8.60	-	10.00	-	27.40
		Total in SA	30.00	68.30	25.00	50.00	60.00	233.30

Remarks:

1. Spectrum holding of the licencees, whose licences are expiring during 2015-16, have not been reflected in the above table.
2. In Tamil Nadu service area, some operators are holding seperate UAS/CMTS licences for Chennai and Tamil Nadu (excluding Chennai) service areas. For these operators, spectrum holdings have been reflected by taking maximum allocation in either of these two service areas.
3. Conditional surrender of spectrum (M/s TTSL/TTML) in 800 MHz band has not been reflected in the above table as the matter being sub-judice
4. FDD spectrum has been reflected as paired spectrum (uplink and downlink spectrum added together)