

Report on QoS Parameters related to Congestion on Point of Interconnections (POIs) of CMSPs

With the exponential increase in the number of subscribers every month, the congestion level at the POIs in the inter Operators networks continues to be the major reason for poor quality of service in the mobile networks.

As per the TRAI's "Regulation on Quality of Service of Basic and Cellular Mobile Telephone Services, 2005", the benchmark for POIs congestion should be less than 0.5%. But it is observed that the performance of all the mobile operators with respect to the Congestion on POIs has increasingly deteriorated.

The network congestion report of all CMSPs for the month of September 2005 is placed below along with a comparison of the previous two months.

From the perusal of the report, the following observation emerges:

1. In a number of big and small cities, the level of congestion between the networks of different operators is far more than the prescribed benchmark and the number of such places are increasing. This is mainly due to delay in augmentation of inter network junctions. *The TRAI has also issued directions on 29th November 2005 to all Cellular Mobile Service Providers to ensure, by 31st December 2005, that the Quality of Service parameters, including the level of POI congestion, in its network should be strictly within the benchmark laid down by the Authority.*
2. In the month of August 2005, there were about 244 POIs, which were not meeting the benchmark of <0.5% where as in the month of September 2005, the same has increased to 394.
3. In the month of August 2005, there were about 153 places having congestion level more than 10% i.e. twenty times worse than the benchmark. In September 2005, the number of such places has increased to 193 and in about 72 out of such locations the level of such congestions is 40% or more.
4. In some of the major cities viz. Patna, Agra and Lucknow, Jaipur, Chennai and Meerut, the level of congestion between the networks of the different operators continues to be very high since last few months.

The network congestion report of all CMSPs for the month of September 2005 is placed at TRAI website (www.trai.gov.in) along with a comparison with the previous two months.

Comparative POIs Congestion Report of M/s Bharti Tele-ventures Limited for the months of July - Sept, 2005			
Name of Circle and POIs	Benchmarks <0.5%		
	July	Aug	Sep
Assam			
POI With Other NLDO			
Reliance Telecom	89.65	77.23	39.20
POI With BSNL			
BSNL-STD/Local-Guwahati-Home Subs	NA	21.00	8.90
Bihar			
POI with other NLDO & other operators			
BTSOL NLD (Patna MSC)	0.10	0.00	1.30
BTSOL NLD (Ranchi MSC)			0.80
Tata - M	1.70	7.39	11.20
Tata FIX	1.10	17.47	7.10
POI With BSNL Level 1 TAX			
Patna	35.40	51.10	50.10
PATNA for ILD	28.80		38.70
Patna National Roamer	74.70		42.20
Patna National Roamer ILD	3.80		15.80
Rajender Nagar		15.89	44.50
POI With BSNL Level 2 TAX			
Ranchi	0.00		1.30
Gaya	5.20	12.83	27.50
Bhagalpur	5.20	2.53	17.90
Chapra	30.50	35.83	62.70
Dharbhanga	36.10	46.62	48.40
Motihari	0.00	0.03	4.30
Munger			1.70
Chennai			
POI with BSNL level 1 TAX			
Flower Bazzar	5.00	10.00	4.00
POI with BSNL Tandem			
Flower Bazzar Tandem	0.00	0.00	1.00
POI with other operators			
Aircel TN - Outgoing	5.00	2.00	2.00
Gujarat			
POI with other operators			
IDEA	1.54	1.44	6.07
POI with BSNL Level 1 TAX			
GULBAI TEKRA			25.33
Bhadra - ahd	24.68	42.83	54.16
POI with BSNL Level 2 TAX			
Gulbai tekra _ahd	37.26	28.86	37.57
Gulbai tekra _ahd	29.22	27.32	42.49
Surat	7.02	7.43	3.04
Anandlevel	16.58	0.00	4.34
Palanpur level	95.72	94.81	93.72
Himantnagarl	0.89	0.67	7.15
Mehasanal	85.19	84.76	86.19
Bhavanagar	59.68	79.14	89.44

Junagadh	0.07	0.40	1.11
Bhuj	0.93	33.63	26.68
Junagarh	39.40	33.27	52.15
Rajkot	28.26	23.72	48.21
Surendranagar	82.17	65.36	74.39
Himachal Pradesh			
<i>POI with BSNL Level 1 Tax</i>			
Shimla		7.00	18.00
Shimla CellOne	1.20	8.80	30.30
<i>POI with BSNL Level 2 Tax</i>			
SOLAN	1.00	0.00	0.90
DHARAMSHALA	5.30	13.30	23.20
HAMIRPUR	28.00	22.20	29.10
J & K			
JAMMU TAX level 1	81.60	84.90	87.60
Karnataka			
Bangalore	0.78	8.43	1.18
TUMKUR	23.86	15.37	6.57
MANDYA	6.71	3.39	1.12
HASSAN	34.12	35.67	10.21
BELGAUM	8.34	5.08	0.69
BELLARY	0.34	0.52	0.96
BIJAPUR	6.36	16.34	5.23
KARWAR	1.91	2.50	0.79
Kerala			
<i>POI with other operators</i>			
Reliance	10.00	10.00	10.00
Madhya Pradesh			
<i>POI with BSNL Level 2 TAX</i>			
Dhar	0.09	0.39	0.66
Balaghat	0.64	0.69	0.97
Chhindwara			0.99
Maharashtra & Goa			
<i>POI with BSNL - Mobile</i>			
Bharti - Cellone	19.07	41.25	38.62
<i>POI with BSNL Level 1TAX</i>			
Nagpur	0.00	0.21	12.58
<i>POI with BSNL Level 2TAX</i>			
Pune Model Colony	0.00	0.26	1.36
Jalgaon	18.98	18.98	18.98
Kalyan	0.00	0.00	23.10
Aurangabad	0.00	5.63	6.83
Nagar	6.26	4.17	3.79
Dhule	4.54	13.10	12.10
Solapur	4.10	70.88	16.51
Kolhapur	0.00	0.00	1.97
GOA	3.83	30.05	13.58
Sangli	0.00	6.01	5.89
Akola	8.45	10.28	10.28
Amravati	44.63	31.06	36.15
Yawatmal	5.55	3.55	12.58
Savantwadi	5.65	3.83	4.00
Bhandara	0.00	0.00	7.16

Ratnagiri	5.65	3.53	7.63
Osmanabad	0.10	59.15	58.95
Mumbai			
POI with MTNL Dolphin			
Bharti - Dolphin	2.00	5.00	7.00
POI With MTNL Tandem			
Cumballa level 3	2.00	2.00	2.00
Ghatkopar level 5	1.00	0.00	2.00
Vile Parle level 6	0.00	2.00	3.00
SakiVihar level 8	0.00	0.00	1.00
Mulund	0.00	0.00	1.00
North East			
POI with other operators			
Reliance Telecom Shillong	64.86	0.00	12.00
POI with BSNL Level 2 TAX			
BSNL-STD/Local-Shillong-Home Subs OG	79.34	17.00	20.30
Punjab			
POI with BSNL Level 1 TAX			
JALANDHAR (Focal Point)	0.54	0.86	3.46
JALANDHAR (MTS Nagar) local	3.69	5.63	7.60
JALANDHAR (MTS ISD)	0.00	0.00	2.95
Rajasthan			
POI with other operators			
Bharti - Shyam Tele	0.17	0.08	0.88
POI with BSNL Level 1 TAX			
Jaipur	30.86	30.86	40.95
POI with BSNL Level 2 TAX			
Ajmer	0.10	1.54	1.37
Alwar	47.60	35.20	57.19
Barmer			59.74
Bharatpur	45.32	41.98	47.83
Bhilwara	11.52	8.40	11.37
Bikaner	23.18	0.00	22.85
Bundi	14.25	17.93	12.09
Cittorgarh	0.32	3.33	1.03
Jhalawar	33.11	90.52	30.17
Jhunjhunu	62.15	26.77	11.90
Kota	20.09	74.93	32.79
Sirohi	62.24	60.26	77.87
Sikar	57.06	0.64	65.68
Tonk	0.34	12.62	9.80
Udaipur	6.50	27.65	15.38
Tamil Nadu			
POI with BSNL Level 1 TAX			
Race Course TAX	0.00	0.00	6.00
POI with BSNL Level 2 TAX			
Dharmapuri	40.00	40.00	31.53
Ooty	38.00	41.00	30.59
Tirunelveli	0.00	0.00	25.62
Vellore	0.00	0.00	6.20
POI with other operators			
HUTCH Chennai - Outgoing		14.00	2.00

UP - East			
POI with FWPO/FWTO			
Bharti- Reliance	0.00	38.50	68.00
POI with BSNL Level 1 TAX			
IndraNagar	51.20	35.00	39.00
IndraNagar AXE	53.20	50.00	56.00
KesharBagh	71.80	66.00	66.00
POI with BSNL Level 2 TAX			
Barabanki	51.20	49.00	52.00
Deoria	0.80	7.00	11.00
Mirzapur	22.20	20.00	30.00
PratapGarh		10.00	13.00
AzamGarh	3.60	13.00	34.00
Sitapur	0.00	0.00	0.90
UP - West			
POI with BSNL Level 1TAX			
BSNL Level 1	56.90	46.80	27.60
POI with BSNL Level 2TAX			
Bareilly	0.30	0.90	2.00
Moradabad	1.20	0.00	0.80
Bijanore	1.50	0.10	2.60

POI Congestion Report of M/s Hutchissson Essar Mobile Services Limited for the month of July - Sept, 2005			
Name of Circles & POIs	Benchmarks <0.5%		
	July	August	September
Andhara Pradesh			
Hutch_Idea	19.17%	45.44%	47.25%
Punjab			
POI with BSNL			
JALANDHAR	82.00%	86.00%	0.00%
Rajasthan			
POI with BSNL			
Pali	12.56%	19.70%	0.00%
Sri Ganganagar	8.45%	11.36%	23.37%
Alwar	4.13%	4.04%	17.82%
Sirohi	4.83%	3.82%	3.21%
Nagaur	53.23%	14.86%	20.85%
Sw Madhopur	63.00%	12.00%	6.18%
Bharatpur (Added in Feb 05)	41.00%	1.67%	9.97%
Churu			1.72%
Sikar	36.00%	42.06%	43.63%
Jaipur			1.02%
Bikarner			6.12%
UP East			
POI with BSNL			
Lucknow	19.00%	26.00%	40.00%
Jaunpur	57.00%	0.00%	0.00%
Shahjahanpur	3.00%	0.00%	0.00%
Faizabad	3.00%	9.00%	15.00%
Orai	24.00%	42.00%	61.00%

Pratapgarh			8.00%
Sitapur	3.00%	8.00%	6.00%
Balia			43.00%
Deoria			24.00%
Mau			16.00%
Azamgarh			23.00%
Gazipur			61.00%
UP West			
POI with BSNL			
Agra			4.00%
West Bengal (ROB)			
POI with BSNL			
BERHAMPUR TAX	25.00%	24.00%	0.00%
ASANSOL TAX	55.00%	55.00%	32.00%
BANKURA TAX	1.00%	0.00%	0.00%
KHRAGPORE TAX	57.00%	51.00%	45.00%
Haryana			
POI with BSNL			
Ambala			1.75%

POI Congetion Report of M/s Idea Cellular Limited (July - Sept, 2005)			
Name of POIs	Benchmarks <0.5%		
	July	August	Sept
Madhya Pradesh			
Idea - BSNL			
Bhopal	6.60	5.00	22.92
Khargone	28.40	31.60	47.68
Shahjapur			1.41
Sagar			2.13
Raipur			16.29
Rewa			4.16
Morena			8.67
Khandwa	13.60	12.70	8.43
Raigarh	20.50	28.90	23.82
Narsingpur	2.60	3.90	8.91
Shahdol	19.10	25.80	23.03
Idea - Reliance			
Reliance WLL-M-Indore			11.90
Reliance Fixed - Indore			5.40
Reliance Fixed - Raipur			1.50
Andhra Pradesh			
(i) BSNL			
KURNOOL	30.07	35.31	28.06
MAHABOBNAGAR	31.85	29.73	30.19
NALGONDA	4.91	7.28	3.90
CUDDAPAH	4.24	4.11	2.24
(ii) POI with other opers			
HUTCH HYD	18.67	36.89	46.98
Airtel Vijaywara MSC2			18.40
RELIANCE FXD VJA MSC04	50.05	56.86	54.62
Relaince Hyd			5.85

Tata Hyd			18.12
(iii) NLD/ILD Operators			
RELIANCE FIXED	23.58	39.70	40.49
Maharashtra			
Idea - BSNL			
Jalna	55.70	32.10	57.80
Nagpur	2.40	1.80	2.50
Ratnagiri	11.60	7.30	14.30
Pune			1.40
Gujarat			
Idea - BSNL			
ANAND	2.40	1.38	2.84
AMRELI	5.25	5.90	5.36
Kerala			
BSNL			
Alleppy			1.54
Kannur			17.99
BSNL NLD	60.39	44.52	89.16
Tata wireline			3.48
Ernakulam			2.68
UP(W)			
Idea - BSNL			
Mainpuri	2.87	11.15	0.00
Bijnaur	72.17	64.02	53.61
Pilibhit	25.45	9.63	13.32
Haldwani			4.00
BSNL NLD Agra	48.37	55.65	28.10
Haridwar			0.98
POI with private operators			
Relaince			6.39
Haryana			
POI with BSNL			
Ambala Lvele 1 TAX			4.01

POIs congestion Report of M/s Reliance Infocom Limited for the months of July - Sept, 2005			
Service area and POIs	Benchmarks <0.5%		
	JULY	AUGUST	SEPT
Madhya Pradesh			
POI with BSNL			
BHOPAL	0.17%	7.92%	13.05%
Bihar			
POI with BSNL			
GAYA	1.88%	11.47%	3.52%
Patna			78.80%
Karnataka			
POI with BSNL			
BELGAUM	2.54%	19.59%	11.01%
Maharashtra			
POI with BSNL			
AMRAVATI	26.46%	32.82%	36.87%
BULDHANA	0.00%	0.00%	1.54%

JALNA	38.81%	47.53%	53.17%
RATNAGIRI	5.78%	15.49%	10.99%
Orissa			
POI with BSNL			
Cuttack	29.67%	46.26%	54.26%
Rajasthan			
POI with BSNL			
ALWAR	28.63%	35.29%	44.12%
CHITTORGARH	7.87%	13.45%	8.88%
JAIPUR	24.43%	15.04%	10.57%
UP - E			
POI with BSNL			
AZAMGARH	71.69%	79.19%	73.36%
Lucknow L1 TAX Indira Nagar	44.60%	58.75%	35.48%
LUCKNOW L1 TAX Kiserbagh	54.20%	58.73%	55.61%
UP - W			
POI with BSNL			
ETAH	0.00%	3.73%	3.61%
NAINITAL	10.58%	15.69%	26.45%
West Bengal			
POI with BSNL			
Suri (Bolpur)	0.00%	0.00%	1.20%
Asansol	5.85%	11.63%	15.47%

POIs Congestion Report of M/s Reliance Telecom Limited for the months of July - Sept, 2005			
Name of Circle & POIs	Benchmarks <0.5%		
	JUL	AUG	SEP
Madhya Pradesh			
BHOPAL	17.28%	19.13%	21.30%
UJJAIN	0.00%	1.29%	1.10%
KHARGONE	1.61%	1.79%	1.92%
CHINDWARA	1.79%	1.87%	1.10%
DURG	4.46%	5.25%	2.75%
BALAGHAT	0.45%	0.28%	1.55%
Bihar			
PATNA	4.54%	8.13%	3.20%
GAYA	18.53%	19.37%	22.50%
MUZAFFARPUR	10.77%	1.66%	3.40%
BHAGALPUR	18.74%	19.87%	19.60%
DARBHANGA	0.00%	4.57%	6.00%
SAHARSA	14.10%	19.11%	24.60%
MOTIHARI	5.38%	12.81%	15.50%
MUNGER	18.75%	21.05%	24.20%
JAMSHEDPUR	19.00%	21.54%	24.85%
DHANBAD	17.00%	19.51%	20.57%
HAZARIBAGH	19.00%	21.56%	26.87%
West Bengal			
COOCHBEHAR	1.08%	1.07%	2.65%
RAIGANJ	2.97%	2.66%	1.08%
ASANSOL	8.87%	16.27%	14.41%
Himachal Pradesh			

SHIMLA	20.07%	25.75%	23.12%
SOLAN	2.30%	2.83%	5.55%
DHARAMSHALA	18.97%	21.78%	26.08%
HAMIRPUR	14.27%	18.26%	24.02%
Assam			
GUWAHATI	10.61%	22.00%	23.20%

POIs Congestion Reports of M/s Tata Teleservices for the months of July - September, 2005			
POIs	Benchmarks <0.5%		
	July	August	September
Delhi			
POI with BSNL			
Faridabad_Tandem	0.18	1.15	5.30
Ghaziabad_TAX	0.02	4.32	29.01
POI with other operators			
Delhi_RIL_AXE-10	0.02	0.30	2.34
Gujarat			
POI with BSNL			
Sanand	0.00	1.00	6.00
Gandhinagar	2.00	3.00	3.00
Nadiad	0.00	0.00	2.00
Ankleshwar	0.00	0.00	2.00
Valsad	3.00	2.00	2.00
Bilimora	4.00	5.00	12.00
Surrendranagar	0.00	0.00	1.00
Junagarh	0.00	0.00	3.00
Gondal	0.00	0.00	14.00
Porbandar	0.04	0.05	16.00
Upleta	0.00	0.00	14.00
Limbdi	1.00	3.00	6.00
Morbi	1.00	1.00	1.00
Veraval	4.00	3.00	15.00
Jetpur	2.00	3.00	10.00
Navsari	2.00	2.00	12.00
Bhavnagar	0.00	0.00	1.00
POI with BSNL NLD TAX			
Ahmedabad_Bhadra	0.00	0.00	8.00
Anand T	0.00	0.00	1.00
Surat	9.00	11.00	15.00
Rajkot KR	0.00	0.00	2.00
Bhuj	1.00	1.00	9.00
Rajasthan			
POI with BSNL			
Jaipur Level 1 TAX_Fix	80.00	79.00	66.00
Jaipur Level 2 TAX_Fix	1.00	1.00	1.00
Karnataka			
POI with BSNL			
Anekal Tandem	1.30	2.00	7.50
Mallavalli	0.00	4.00	5.60
KR Pet	0.00	0.00	0.80

Davangere Tandem	27.90	11.00	17.70
Gulbarga Tandem	0.00	0.00	7.30
Mandya Tandem	0.00	0.00	16.40
Bidar	14.30	52.50	24.40
Davangere	0.00	0.00	1.20
POI with NLD/ILD operators			
VSNL Jalandhar			16.80
VSNL Chennai 2			14.90
VSNL Kolkata Fixed NLD			1.65
POI with other operators			
Touchtel_Mangalore (HBL LE)	1.66	0.53	7.80
Haryana			
POI with BSNL			
Sonipat Tandem	10.70	44.50	50.00
Yamunanagar Tandem	81.70	59.30	57.00
Ambala TAX Fixed NLD	87.80	78.00	67.00
Ambala TAX (Mobile NLD)	11.45	32.80	49.00
Karnal TAX (Fixed NLD)	0.00	9.90	7.70
Sonipat TAX (Fixed NLD)	0.00	37.20	51.00
Jind Tax (Mobile Local)	0.70	0.40	0.54
Punjab			
POI with BSNL Tandem			
Chandigarh Sec. 17	7.10	4.70	82.50
Chandigarh Sec. 34	0.00	0.00	0.83
Ferozpur	16.80	40.79	55.68
Jalandhar	0.00	0.00	3.44
Nawanshar	18.81	70.13	75.43
Patiala	6.36	6.46	3.80
Rayya	0.00	0.00	8.99
Rajpura	0.00	9.05	9.25
POI with BSNL Level 1 TAX			
Amritsar	0.00	5.96	4.40
Chandigarh	43.27	75.93	69.85
Jalandhar	0.00	17.23	22.84
Patiala	3.36	56.82	62.10
POI with NLD/ILD operators			
Bihar			
POI with BSNL			
Aarah	76.25	65.70	56.03
Jamshedpur	76.34	71.80	16.49
Patna	81.37	87.50	36.11
POI with other operators			
Airtel	24.32	20.70	16.35
POI with NLD/ILD operators			
VSNL_KOLKATA	19.37	14.30	12.07
VSNL_PATNA	66.49	63.80	36.91
VSNL Patna NLD			11.69
UP-WEST			
POI with BSNL			
Agra Local (Fix)	27.70	14.70	57.90
Dehradun Local (Fix)	4.10	45.20	76.10
Agra Sanjay Place-Mobile			2.20
Dehradun Tax (Fix)	0.00	17.10	51.20

Moradabad Tax (Fix)	42.40	88.60	87.90
Meerut Tax (Fix)	77.80	94.50	91.30
Modinagar TAX			7.30
POI with NLD/ILD operators			
VSNL NLD Bhopal			4.10
Vsni NLD Bhopal (Cimo)	0.00	0.00	13.30
Andhara Pradesh			
POI with other operators			
IDEA Mobile	0.00	0.00	37.20
Airtel	0.00	15.00	45.50
POI with BSNL			
Sangareddy	2.00	3.00	5.80
Mahaboobnagar	9.00	10.00	13.30
Chennai			
POI with BSNL			
Anna Road Tandem(fix)	9.64	5.67	1.68
KK Nagar Tandem(fix)	0.37	0.58	3.27
POI with other operators			
HUTCH CHENNAI(fix)	0.00	0.12	1.37
AIRCEL_ROTIN (fix)	0.00	0.00	1.38
AIRTEL_ROTIN (fix)	0.00	0.00	1.50
AIRCEL_ROTIN (Mob)			1.27
AIRTEL_ROTIN (Mob)			1.24
BPL ROTIN (Mob)	0.00	0.00	1.59
AIRCEL_ROTIN(mob)	0.00	0.00	1.27
AIRTEL_ROTIN(mob)	0.00	0.00	1.24
BPL ROTIN(mob)	0.00	0.00	0.91
Tamil Nadu			
POI with other operators			
Bharati Madurai	0.00	0.52	0.78
Reliance ILT Coimbatore	0.14	0.13	2.00
VSNL Calling card			2.78
Aircell Coimbatore(mob)	0.00	2.23	3.67
Reliance Coimbatore(mob)	0.00	2.98	20.64
POI with BSNL			
Chengulpet_Farend	10.63	9.12	10.24
Kanchipuram_Farend	9.81	10.11	6.21
Thiruchegode Farend			4.07
Karaikudi_Farend	0.00	0.33	1.23
Karaikudi_Local	0.00	0.00	1.53
Kumbakonam_Farend	24.94	0.00	16.53
Kovilpatti_Farend	0.00	0.00	1.50
Madurai_Farend	0.00	0.00	2.08
Virudunagar_Farend	0.00	2.55	3.18
Dharmapuri_TAX	0.00	0.62	3.42
Virudunagar_TAX	0.00	0.81	1.06
CelloneCoimbatore	0.00	0.00	0.71
UP East			
POI with BSNL			
Lucknow	4.17	4.17	37.82
Lucknow	19.63	19.63	51.30
Varanasi	72.39	72.39	73.26
Lucknow L1 TAX M-NLD			31.69

Basti	0.00	0.00	47.28
MP & CG			
POI with BSNL			
Bhopal_TAX	0.00	0.82	1.43
Raipur_TAX	32.00	0.63	0.65
Bilaspur_LII TAX	17.00	39.70	32.21
Gwalior_TAX	0.00	0.66	1.55
West Bengal			
POI with BSNL			
Krishna Nagar			16.75
Kharagpur			35.55
suri			22.20
POI with other operators			
Hutch			3.05
Krishnanagar NLD			9.50
Himachal Pradesh			
POI with BSNL			
Shimla TAX			84.62

POI Congestion Report of M/s Aircel Cellular Limited (July - Sept, 2005)			
Name of POIs	Benchmark <0.5%		
	July	August	September
Chennai			
POI with BSNL			
BSNL Local	11.00%	27.30%	6.70%
BSNL NLD	91.00%	82.00%	87.00%
POI with other operators			
Airtel Local	77.00%	74.00%	87.90%
Hutch Local	63.00%	70.00%	81.60%
ROTN BPL	25.60%	20.00%	0.40%
ROTN TATA	73.00%	73.00%	0.00%
ROTN Reliance			76.00%
ROTN Airtel			39.60%
Tamilnadu			
POI with BSNL			
Coimbatore	0.05%	0.05%	8.00%
Dharmapuri	0.01%	0.01%	15.00%
Tanore	0.01%	0.02%	50.00%
Cuddalore	0.01%	0.02%	7.00%

POI Congestion Report of M/s BPL Mobile Communications Limited for the month of Sept, 2005)			
Name of POIs	Benchmark <0.5%		
	July	August	September
Maharashtra			
POI with BSNL	No Congestion	No Congestion	
Kalyan			2.92%
Pune			9.38%
Tamilnadu			
POI with BSNL			

Coimbtore			6.57%
Vellore			0.05%
Kerala			
POI with BSNL			
Kochi			0.92%
Alleppy			0.00%

POI Congestion Report of M/s Spice Communications (July - Sept, 2005)

Name of POIs	Benchmarks <0.5%		
	July	August	September
Punjab			
POI with BSNL			
Jalandhar	10.58%	0.33%	0.07%
POI with other Operators			
Reliance Basic Punjab			3.58%

POI Congestion Report of M/s Bharat Sanchar Nigam Limited for the month of July - Sept, 2005

Name of Circles & POIs	Benchmarks <0.5%		
	July	August	September
Karnataka	No Congestion		
Central TAX		0.00%	1.20%
WMS OCB TAX		0.00%	1.50%
WMS Ericsson TAX		1.00%	0.60%
Chi TAX		0.00%	0.60%
Orissa			
Keonjhar TAX		1.00%	1.10%
UP - E			
Lucknow - ALBO		1.00%	1.25%
Hardoi		1.00%	0.63%
West Bengal			
Asansol		0.00%	1.90%
Bankura		0.00%	1.40%
Berhampore		0.00%	1.30%
Coochbihar		0.00%	1.60%
Gangtok		0.00%	1.70%
Jalpaiguri		0.00%	1.30%
Kharagpur		0.00%	1.40%
Krishnanagar		0.00%	1.20%
Malda		0.00%	1.70%
Purulia		0.00%	1.30%
Raiganj		0.00%	1.60%
Siliguri		0.00%	1.90%
Suri	0.00%	1.90%	
Kolkata	0.00%	1.80%	
Salkia	0.00%	1.70%	

POIs Congestion of M/s Mahanagar Telephone Nigam Limited for the month of July - Sept, 2005

Name Service area and POIs	Benchmark <0.5%		
Mumbai	July	August	September
MSC - 1 (Prabhadevi)			
MTNL_AIRTEL	5.01%	NA	1.83%
MTNL_RELIANCE	5.89%	NA	25.38%
MSC - 3 (Cuffe Parade)			
MTNL_AIRTEL	8.53%	NA	11.89%

NA = Data not reported by Service Provider