

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 one of the major reasons 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 POI 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 November, 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 November, 2005, there were 404 POIs, which were not meeting the benchmark of <0.5%. Out of these 404 POIs in 201 POIs the level of congestion is more than 10% i.e 20 times worse than the benchmark, and in 70 POIs the level of congestion is more than 40%.
3. In August 2005 there were 153 POIs where the level of congestion was more than 10%. The number of such POIs increase to 193 in September/October, 2005 and further 201 in November, 2005.
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.

The network congestion report of all CMSPs for the month of November, 2005 is enclosed along with a comparison with the previous two months.

Comparative POIs Congestion Report of M/s Bharti Tele-ventures Limited for the months of September - November, 2005			
Name of Circle and POIs	Benchmark <0.5%		
	September	October	November
Assam			
POI With BSNL			
BSNL-STD/Local-Guwahati-Home Subs	8.90	45.00	3.50
POI with other operators			
Reliance Guwahati	39.20	87.50	0.10
Bihar			
POI with other NLDO & other operators			
BTSOL NLD (Patna MSC)	1.30	0.10	0.47
BTSOL NLD (Ranchi MSC)	0.80	1.30	4.77
Tata	11.20	14.00	11.57
Tata FIX	7.10	1.70	7.93
Reliance WLL Patna	0.10	0.00	3.36
POI With BSNL Level 1 TAX			
PATNA Level 1Tax	50.10	43.90	38.31
Patna level 1 Tax for ILD	38.70	13.30	2.94
Patna L1 for national Roamer	42.20	68.30	79.98
Patna L1 National Roamer ILD	15.80	4.30	0.00
Rajender NagarL1 Tax	44.50	29.40	23.79
Rajender Nagar L1 Tax for ILD	0.00	1.60	4.47
POI With BSNL Level 2 TAX			
Ranchi	1.30	0.00	0.00
Gaya	27.50	19.40	58.41
Muzaffarpur			1.82
Bhagalpur	17.90	17.40	47.98
Chapra	62.70	55.90	65.40
Dharbhanga	48.40	51.40	70.35
Motihari	4.30	3.40	32.75
Hazaribagh	0.00	0.20	0.92
Munger	1.70	0.40	21.97
Arrah POI	0.00	0.00	12.61
Chennai			
POI with BSNL level 1 TAX			
Flower Bazzar	4.00	12.34	36.30
Haddow Rd Tax	0.00	0.00	12.94
POI with BSNL Tandem			
Flower Bazzar Tandem	1.00	0.00	0.00
KK Nagar Tandem	NA	NA	5.19
POI with other operators			
Aircel TN - Outgoing	2.00	18.35	0.00
POI with other NLDO & other operators			
Reliance ILD	0.00	21.54	6.17
Gujarat			
POI with other operators			
IDEA	6.07	22.33	4.97
Hutch	0.00	7.80	1.31

Tata Fix	0.00	7.52	20.15
Tata Wireline	0.00	46.91	74.25
POI with BSNL Level 1 TAX			
GULBAI TEKRA	25.33	55.63	6.37
Bhadra - ahd	54.16	45.20	5.99
POI with BSNL Level 2 TAX			
Gulbai tekra _ahd	37.57	36.12	4.16
Gulbai tekra _ahd	42.49	37.54	17.07
Surat	3.04	0.00	0.00
Bharuch	0.11	7.78	0.00
Anand	4.34	0.00	0.26
Palanpur	93.72	94.45	95.68
Himantnagarh	7.15	9.55	40.55
Mehasana	86.19	82.88	82.13
Bhavanagar	89.44	86.53	74.84
Junagadh	1.11	6.49	11.78
Bhuj	26.68	46.81	3.74
Junagarh	52.15	54.48	77.27
Rajkot	48.21	27.94	10.22
Surendranagar	74.39	55.07	87.89
Amreli	0.00	0.00	33.74
Haryana			
POI with BSNL Level 1 Tax			
BSNL Cellone OG	0.00	1.90	0.50
Ambala outgoing	0.00	0.20	1.18
POI with BSNL Level 2 Tax			
Rohtak	0.13	1.45	4.00
Himachal Pradesh			
POI with BSNL Level 1 Tax			
Shimla	18.00	26.00	26.92
Shimla CellOne	30.30	29.00	12.37
POI with BSNL Level 2 Tax			
SOLAN	0.90	0.30	1.42
DHARAMSHALA	23.20	36.00	32.10
HAMIRPUR	29.10	42.00	48.15
J & K			
JAMMU TAX level 1	87.60	84.00	78.72
Srinager Tax Level 1	0.13	6.00	4.87
Karnataka			
POI with BSNL Level 2 Tax			
Mangalore	0.04	3.72	3.72
TUMKUR	6.57	27.70	27.70
MANDYA	1.12	0.00	0.00
HASSAN	10.21	42.63	42.63
BELGAUM	0.69	15.97	15.97
BELLARY	0.96	3.64	3.64
BIJAPUR	5.23	26.61	26.61
KARWAR	0.79	14.49	14.49
Kolar	0.21	6.08	6.08
Simoga	0.05	0.00	0.00

POI with BSNL Level 1 Tax			
TAX	1.18	1.83	1.83
POI with other operators			
Spice	0.00	1.46	1.46
Hutch	0.00	13.52	13.52
Tata	0.00	27.19	27.19
Kerala			
POI with other operators			
Reliance NLD	10.00	9.80	9.80
BPL	0.00	3.00	3.40
POI with BSNL Level 2 TAX			
Palakkad	0.00	21.00	21.00
Calicut	0.00	7.00	7.00
Madhya Pradesh			
POI with BSNL Level 2 TAX			
Dhar OG	0.66	0.43	5.39
Balaghat	0.97	0.00	8.99
Chhindwara OG	0.99	0.44	0.66
Raigarh OG	0.24	0.69	0.60
Maharashtra & Goa			
POI with other operators			
Bharti - Cellone	38.62	36.22	NA
POI with BSNL Level 1TAX			
Nagpur	12.58	13.16	16.44
POI with BSNL Level 2TAX			
Pune Model Colony	1.36	3.05	8.88
Jalgaon	18.98	18.98	18.98
Kalyan	23.10	23.10	23.10
Aurangabad	6.83	8.74	9.01
Ahamad Nagar	3.79	8.50	17.67
Dhule	12.10	12.10	27.54
Solapur	16.51	16.51	16.51
Kolhapur	1.97	2.28	21.61
GOA	13.58	13.58	13.58
Satara	0.04	0.12	1.87
Sangli	5.89	8.76	19.78
Akola	10.28	0.13	0.15
Amravati	36.15	41.19	60.14
Chandrapur	0.39	0.59	0.91
Yawatmal	12.58	20.82	33.62
Savantwadi	4.00	4.00	4.00
Bhandara	7.16	0.00	0.00
Ratnagiri	7.63	7.63	7.63
Osmanabad	58.95	66.35	68.17
Mumbai			
POI with MTNL Dolphin			
Bharti - Dolphin	7.00	6.00	0.40
POI with MTNL level 1 TAX			
Fountain	0.00	2.00	0.00
Thane	0.00	3.00	0.90

POI With MTNL Tandem			
Cumballa level 3	2.00	2.00	0.00
Ghatkopar level 5	2.00	2.00	0.00
Vile Parle level 6	3.00	2.00	0.00
SakiVihar level 8	1.00	0.00	0.00
Mulund	1.00	1.00	0.00
North East			
POI with other operators			
Reliance Telecom Shillong	12.00	19.10	0.00
POI with BSNL Level 2 TAX			
BSNL-STD/Local-Shillong-Home Subs OG	20.30	23.90	0.00
Orissa			
POI with BSNL Level 1 TAX			
Cuttack	0.00	0.00	0.92
Punjab			
POI with BSNL Level 1 TAX			
JALANDHAR (Focal Point)	3.46	5.84	8.44
JALANDHAR (MTS Nagar) local	7.60	11.63	8.77
JALANDHAR (MTS ISD)	2.95	0.80	0.00
Rajasthan			
POI with other operators			
Bharti - TATA	0.00	0.86	0.00
Bharti - Shyam Tele	0.88	1.59	0.28
POI with BSNL Level 1 TAX			
Jaipur	40.95	52.57	24.07
POI with BSNL Level 2 TAX			
Ajmer	1.37	0.05	3.68
Alwar	57.19	58.94	45.60
Barmer	59.74	59.74	60.81
Bharatpur	47.83	44.26	73.85
Bhilwara	11.37	12.52	0.00
Bikaner	22.85	17.29	39.73
Bundi	12.09	21.83	33.02
Chittorgarh	1.03	2.59	5.49
Sriganganagar	0.50	0.46	2.22
Jhalawar	30.17	17.20	67.11
Jhunjhunu	11.90	11.58	46.85
Kota	32.79	18.29	35.65
Sirohi	77.87	76.16	81.53
Sikar	65.68	72.03	74.99
Tonk	9.80	6.40	19.64
Udaipur	15.38	12.43	30.26
Tamil Nadu			
POI with BSNL Level 1 TAX			
Race Course TAX	6.00	4.12	24.12
POI with BSNL Level 2 TAX			
Dharmapuri	31.53	38.32	38.32
Ooty	30.59	30.59	30.59
Tirunelveli	25.62	31.24	31.24
Vellore	6.20	8.10	8.10

Coimbatore	0.00	0.00	3.48
POI with other operators			
Reliance Fix	0.00	9.00	9.00
HUTCH Chennai - Outgoing	2.00	8.00	8.00
Aircel Chennai - Outgoing	0.00	5.00	5.00
UP - East			
POI with FWPO/FWTO			
Bharti- Reliance	68.00	85.00	40.00
POI with other operators			
Bhart - Reliance	0.30	0.53	3.00
POI with BSNL Level 1 TAX			
IndraNagar	39.00	38.00	40.00
IndraNagar AXE	56.00	71.00	72.00
KesharBagh	66.00	78.00	80.00
POI with BSNL Level 2 TAX			
Barabanki	52.00	60.00	67.00
Basti	0.28	0.59	3.00
Faizabad	0.00	0.45	5.00
Jaunpur	0.00	0.00	1.00
Deoria	11.00	11.00	0.00
Mirzapur	30.00	42.00	50.00
PratapGarh	13.00	28.00	36.00
AzamGarh	34.00	17.00	24.00
Sitapur	0.90	3.00	1.00
Sultanpur	0.00	0.00	3.00
Varanasi	0.45	0.31	2.00
UP - West			
POI with BSNL Level 1TAX			
BSNL Level 1, Agra	27.60	49.80	0.00
POI with BSNL Level 2TAX			
Bareilly	2.00	4.50	0.00
Saharanpur	0.00	7.20	0.00
Haldwani	0.00	38.40	0.00
Moradabad	0.80	0.00	0.00
Bijanore	2.60	18.20	0.00
Badauyun	0.00	0.90	0.00

POIs Congestion Reports of M/s Tata Teleservices & Tata Teleservices (Maharashtra) for the months of Sept - Nov, 2005

Name of POIs	Benchmarks <0.5%		
	September	October	November
Delhi			
POI with BSNL			
Ghaziabad_Tandem	0.10%	5.10%	0.40%
Faridabad_Tandem	5.30%	6.30%	7.60%
POI with BSNL NLD			
Delhi_Rajendra Nagar TAX	0.00%	1.20%	2.10%
Ghaziabad_TAX	29.00%	44.80%	53.10%
Gurgaon_TAX	NA	1.10%	2.40%
Faridabad_TAX	NA	0.30%	
POI with Private Operators			
Delhi_RIL_AXE-10	2.34%	0.00%	NA
Gujarat			
POI with BSNL			
Sanad	6.22%	0.69%	0.10%
Gandhinagar	2.98%	2.20%	4.30%
Nadiad	1.68%	2.98%	5.50%
Ankleshwar	1.53%	0.99%	1.00%
Valsad	2.43%	16.58%	26.80%
Bilimora	12.21%	51.26%	47.80%
Surrendranagar	0.83%	0.08%	0.40%
Junagarh	2.88%	5.53%	1.30%
Gondal	13.95%	14.63%	3.40%
Porbandar	15.67%	14.44%	21.50%
Upleta	13.75%	33.05%	0.00%
Limbdi	6.03%	14.92%	0.00%
Morbi	1.38%	1.35%	0.00%
Veraval	15.18%	23.48%	28.70%
Jetpur	10.29%	14.46%	3.20%
Navsari	12.48%	15.84%	15.20%
Bhavnagar	1.35%	0.00%	0.00%
Ahmedabad_Bhadra TAX	7.70%	3.89%	0.00%
Anand Tax	0.92%	0.52%	3.60%
Surat_TAX	14.55%	21.00%	50.50%
Rajkot KR - TAX	1.69%	0.00%	0.00%
Bhuj Tax	8.84%	37.41%	32.00%
Baroda TAX	NA	11.82%	22.40%
Ahmedabad_Gulbaitekra TAX	NA	1.01%	0.00%
Idar	NA	0.70%	0.00%
Dwarka	0.00%	0.00%	0.90%
Bharuch Tax	NA	NA	2.30%
Halol	NA	8.08%	3.10%
Rajasthan			
POI with BSNL			
Jaipur L1 TAX Mobile	NA	1.50%	4.00%

BSNL L1 TAX_Jaipur_Fix	66.00%	67.83%	68.00%
Alwar Mobile	NA	NA	4.00%
Bhilwara	NA	NA	1.00%
Jaipur Mobile NLD	NA	NA	28.50%
Karnataka			
POI with BSNL			
Anekal Tandem	7.50%	2.30%	0.60%
Bidar Tandem	0.40%	0.00%	9.40%
Tumkur TAX			0.90%
Bidar TAX	24.40%	15.70%	15.10%
Davangere TAX	1.20%	2.10%	8.80%
POI with Private Operators			
Touchtel_Mangalore (HBL LE)	7.80%	3.30%	0.50%
Haryana			
POI with BSNL			
SONIPAT TANDEM	50.00%	40.20%	47.10%
YAMUNANAGAR TANDEM	57.00%	29.30%	27.60%
AMBALA TAX(Fixed NLD)	67.00%	71.10%	81.20%
AMBALA TAX(Mobile NLD)	49.00%	69.60%	81.20%
KARNAL TAX(Fixed NLD)	7.70%	11.80%	17.20%
SONIPAT TAX(Fixed NLD)	51.00%	65.00%	78.30%
Jind Tax (Mobile Local)	0.54%	1.10%	4.70%
Rewari TAX Mobile	0.00%	0.00%	1.80%
Punjab			
POI with BSNL			
Chandigarh Sec. 17 Tandem	8.25%	6.38%	13.73%
Chandigarh Sec. 34 Tandem	0.83%	0.64%	3.12%
Ferozpur Tandem	55.68%	56.95%	49.40%
Nawanshar Tandem	75.43%	81.19%	85.68%
Patiala Tandem	3.80%	3.57%	3.10%
Rayya Tandem	8.99%	6.75%	0.99%
Rajpura Tandem	9.25%	18.22%	11.21%
Amritsar TAX	4.40%	5.43%	6.60%
Chandigarh TAX	69.85%	67.25%	76.60%
Jalandhar TAX	22.84%	22.16%	37.02%
Ludhiana TAX	0.00%	0.00%	3.09%
Patiala TAX	62.10%	66.85%	75.31%
Jalandhar Reliance NLD	0.48%	NA	3.70%
VSNL Bhopal			8.39%
BSNL Salkia			7.63%
BSNI COT ILD			1.09%
Airtel KOL BSNL ILD			1.49%
TTSL WB			7.94%
Bihar			
POI with BSNL			
BSNL_AARAH	56.03%	83.40%	0.00%
BSNL Aarah	NA	88.80%	0.00%
BSNL Patna Homer	NA	11.69%	0.00%
BSNL_JAMSHEDPUR	16.49%	38.00%	0.00%
BSNL_PATNA	36.11%	15.90%	0.00%

POI with Private Operators/VSNL			
VSNL_KOLKATA	12.07%	5.40%	0.00%
VSNL_PATNA	36.91%	29.80%	0.00%
Airtel (Mobile)	NA	34.60%	0.00%
AIRTEL	16.35%	57.30%	0.00%
VSNL Patna	NA	44.00%	0.00%
UP - W			
POI with BSNL			
Agra Local (Fix)	58.24%	26.81%	54.32%
Dehradun Local (Fix)	76.05%	48.58%	85.56%
POI with BSNL- NLD			
Dehradun Tax (Fix)	50.65%	28.80%	56.80%
Moradabad Tax (Fix)	87.97%	88.00%	88.10%
Meerut Tax (Fix)	91.29%	89.10%	89.40%
Mathura Tax	NA	NA	2.40%
POI with BSNL - Mobile			
Agra Tax (Cimo)-Sanjay Place	No Congestion	14.18%	56.66%
Agra Tax (Cimo) - Tax Bhawan		0.01%	29.06%
Agra Tax (Cimo-Roamer Only)		0.10%	0.61%
Modinagar Tax (Cimo)		1.52%	16.14%
POI with Private Operators/VSNL			
Hutch (CIMO) GSM	NA	NA	0.63%
Vsni Nld Bhopal (Fix)	4.02%	15.00%	1.15%
Andhara Pradesh			
POI with Private Operators			
Airtel, Hyd	45.50%	0.00%	4.50%
Hutch Hyd	0.00%	1.30%	15.60%
POI with BSNL			
BSNL Mobile Ongole L2	NIL	NIL	3.67%
BSNL Sangareddy	5.80%	23.30%	49.20%
UP - E			
POI with BSNL			
LUCKNOW	37.82%	20.50%	20.15%
POI with BSNL NLD			
Lucknow	51.30%	41.48%	35.39%
VARANASI	73.26%	76.08%	74.40%
BASTI	74.28%	66.82%	75.62%
MP & Chhattisgarh			
POI with BSNL			
Jabalpur_Tandem	0.00%	0.12%	0.50%
Raipur_Tandem	0.65%	10.49%	0.76%
Bilaspur_Tandem	32.21%	2.33%	3.13%
POI with BSNL - NLD			
Bhopal	0.00%	0.00%	19.18%
Indore	0.00%	0.00%	3.60%
Gwalior	0.00%	0.00%	1.17%
Bilapur L2	0.00%	0.00%	25.64%
Himachal Pradesh			
POI with BSNL			
Shimla-TAX-FWP	0.00%	80.36%	74.69%

Kerala			
POI with BSNL			
Thrissur	0.00%	0.00%	3.00%
Kottiyam	0.00%	0.00%	27.00%
POI with other operators			
VSNL, Ernakulam NLD	0.00%	0.00%	2.00%
Airtel	0.00%	0.00%	1.00%
Chennai VSNL, Ernakulam	0.00%	0.00%	3.00%
Kolkata			
POI with BSNL			
Southern OCB Tandem	0.00%	0.80%	NA
Central OCB Tandem	0.00%	4.02%	16.28%
Sakia	0.00%	7.67%	7.77%
BSNL SOT		0.66%	2.21%
POI with Private Operators			
Airtel Kol	0.00%	3.21%	2.16%
Hutch Kol GMSC2	0.00%	2.86%	0.00%
RIL NLD	NA	0.00%	2.68%
RIL Local	NA	NA	1.14%
TTSL WB Local	NA	2.21%	7.85%
VSNL	NA	NA	11.62%
VSNL, KOL	NA	NA	0.63%
West Bengal			
POI with BSNL			
Asansol - NLD	0.00%	6.65%	1.50%
Krishna Nagar - Mobile	0.00%	0.80%	0.65%
Kharagpur	0.00%	43.50%	44.50%
Krishna Nagar, NLD	0.00%	1.00%	6.00%
Suri, Mobile			2.35%
Suri, NLD	0.00%	0.05%	3.45%
POI with Private Operators			
Airtel	0.00%	2.50%	4.42%
Hutch	0.00%	12.20%	NA
Chennai			
POI with BSNL			
Anna Road Tandem(fix)	1.67%	4.68%	3.48%
KK Nagar Tandem(fix)	3.27%	17.81%	17.43%
Flower Bazar Tandem	NA	29.00%	25.17%
Tamilnadu			
POI with BSNL			
Cellone Coimbatore	0.71%	1.86%	3.48%
Kanchipuram	6.21%	0.00%	5.71%
Kumbakonam	16.53%	0.00%	20.51%
Virudunagar_Local	0.01%	0.12%	2.56%
POI with BSNL NLD			
Dharmapuri_TAX	3.42%	0.01%	5.82%
Virudunagar_TAX(mob)	0.00%	0.00%	2.19%
ERODE_Tax		0.04%	0.66%
POI with Private Operators			
Aircell Coimbatore	3.67%	0.00%	1.16%

Bharati Local Madurai	0.49%	0.00%	1.61%
Reliance Coimbatore	20.64%	0.18%	4.94%

POIs congestion Report of M/s Reliance Infocom Limited for the months of Sept - Nov, 2005			
Service area and POIs	Benchmark <0.5%		
	September	October	November
Madhya Pradesh			
POI with BSNL			
BHOPAL	13.05%	0.00%	6.13%
Raigarh	0.00%	0.00%	10.68%
Shadol	0.00%	0.00%	8.45%
POI with other Operators			
Idea	9.61%	1.50%	3.60%
RTL	68.78%	0.00%	0.00%
Andhra Pradesh			
POI with BSNL			
MAHABUBNAGAR	0.69%	0.00%	5.08%
NALGONDA	0.84%	0.00%	0.00%
Hyderabad TAX 1	0.00%	0.00%	0.74%
Sangareddy	0.00%	0.00%	0.83%
POI with other Operators			
Idea	53.27%	1.70%	0.01%
Bharti	13.36%	0.10%	0.00%
Bihar			
POI with BSNL			
Darbanga	No Congestion		0.63%
GAYA	3.52%	7.20%	22.52%
Patna	78.76%	23.00%	27.72%
POI with other Operators			
RTL	52.78%	7.30%	10.00%
Tata	81.43%	6.90%	0.10%
Bharti	NA	NA	1.30%
Karnataka			
POI with BSNL			
BELGAUM	11.01%	8.60%	23.87%
POI with other Operators			
Hutch	5.57%	0.00%	1.40%
Maharashtra			
POI with BSNL			
AMRAVATI	36.87%	12.70%	29.85%
BULDHANA	1.54%	0.30%	6.32%
Dhulia			4.48%
JALNA	53.17%	33.40%	41.60%

RATNAGIRI	10.99%	6.50%	13.32%
Orissa			
POI with BSNL			
Cuttack	54.26%	0.30%	0.00%
Balasore	NA	NA	0.50%
POI with other Operators			
RTL	67.79%	3.50%	0.00%
Rajasthan			
POI with BSNL			
ALWAR	44.12%	9.20%	19.09%
CHITTORGARH	8.88%	0.00%	4.04%
JAIPUR	10.57%	1.60%	8.37%
Tamilnadu			
POI with other Operators			
Aircel	46.87%	2.40%	4.00%
UP - E			
POI with BSNL			
AZAMGARH	73.36%	55.30%	60.45%
Barabanki	NA	NA	6.57%
Pratapgarh	NA	NA	4.21%
Lucknow L1 TAX Indira Nagar	35.48%	14.50%	25.33%
LUCKNOW L1 TAX Kiserbagh	55.61%	17.30%	26.20%
POI with other Operators			
Bharti	1.71%	0.00%	0.70%
UP - W			
POI with BSNL			
Agra	NA	NA	1.19%
Bareilly	NA	NA	1.10%
ETAH	3.61%	0.50%	6.56%
NAINITAL	26.45%	6.80%	21.09%
POI with other Operators			
Escotel - Hutch	2.59%	0.00%	0.90%
West Bengal			
POI with BSNL			
Suri (Bolpur)	1.20%	0.00%	0.00%
Asansol	15.47%	4.30%	12.65%
POI with other Operators			
Hutch	0.00%	0.00%	1.20%
Tata	0.00%	0.00%	3.30%
Chennai			
POI with other Operators			
Bharti	6.06%	2.10%	0.00%
Mumbai			
POI with other Operators			
Bharti	0.79%	0.00%	0.00%
Haryana			
POI with BSNL			
Ambala	NA	19.30%	NA

Punjab			
POI with other Operators			
Hutch	0.00%	0.00%	2.50%
Himachal Pradesh			
POI with BSNL			
Shimla	0.00%	0.00%	0.66%

POIs Congestion Report of M/s Reliance Telecom Limited for the months of Sept - Nov, 2005			
Name of Circle & POIs	Bechmark <0.5%		
	September	October	November
Madhya Pradesh			
BHOPAL	21.30%	34.20%	55.58%
UJJAIN	1.10%	1.00%	1.41%
KHARGONE	1.92%	1.90%	1.94%
CHINDWARA	1.10%	0.40%	0.27%
DURG	2.75%	1.70%	12.04%
BALAGHAT	1.55%	1.00%	0.96%
Bihar			
PATNA	3.20%	3.19%	3.21%
GAYA	22.50%	20.41%	20.73%
MUZAFFARPUR	3.40%	3.00%	1.12%
BHAGALPUR	19.60%	21.13%	21.46%
DARBHANGA	6.00%	6.10%	6.19%
SAHARSA	24.60%	43.71%	44.00%
MOTIHARI	15.50%	27.50%	36.98%
MUNGER	24.20%	24.12%	24.31%
JAMSHEDPUR	24.85%	0.00%	0.00%
DHANBAD	20.57%	17.20%	12.61%
HAZARIBAGH	26.87%	38.33%	55.22%
Ranchi	NA	2.73%	NA
West Bengal			
COOCHBEHAR	2.65%	0.93%	2.20%
RAIGANJ	1.08%	0.45%	0.00%
ASANSOL	14.41%	12.31%	17.75%
Himachal Pradesh			
SHIMLA	23.12%	26.64%	22.49%
SOLAN	5.55%	7.93%	3.37%
DHARAMSHALA	26.08%	34.61%	31.39%
HAMIRPUR	24.02%	37.98%	37.11%
Assam			
GUWAHATI	23.20%	22.60%	10.50%
Jorhat	NA	NA	4.00%
Nagaon	NA	NA	22.20%

POI Congestion Report of M/s Idea Cellular Limited (Sept - Nov, 2005)			
Name of POIs	Benchmarks <0.5%		
	Sept	Oct	Nov
Madhya Pradesh			
Idea - BSNL			
Bhopal	22.92	34.12	44.58
Khargone	47.68	62.45	67.27
Shahjapur	1.41	5.08	13.39
Sagar	2.13	4.77	5.95
Raipur	16.29	13.36	29.50
Rewa	4.16	0.00	2.39
Morena	8.67	9.23	13.90
Khandwa	8.43	8.18	11.44
Raigarh	23.82	0.00	0.00
Narsingpur	8.91	9.67	15.99
Shahdol	23.03	32.71	41.44
Idea - Reliance			
Reliance WLL-M-Indore	11.90	2.95	0.00
Reliance Fixed - Indore	5.40	0.00	0.00
Reliance Fixed - Raipur	1.50	0.00	0.00
Andhra Pradesh			
(i) BSNL			
KURNOOL	28.06	23.31	27.02
MAHABOONNAGAR	30.19	33.50	14.77
NALGONDA	3.90	1.93	4.06
CUDDAPAH	2.24	1.65	0.65
OCB Secunderabad TAX	0.00	0.00	1.07
(ii) POI with other opers			
HUTCH HYD	46.98	0.00	0.65
Airtel Vijaywara MSC2	18.40	0.00	0.00
RELIANCE FXD VJA MSC04	54.62	18.47	0.00
Relaince Hyd	5.85	0.00	0.00
Tata Hyd	18.12	0.00	0.00
(iv) NLD/ILD Operators			
RELIANCE FIXED	40.49	NA	0.00
Maharashtra			
Idea - BSNL			
Jalna	57.80	57.19	0.00
Nagpur	2.50	1.12	0.00
Ratnagiri	14.30	21.91	0.00
Pune	1.40	0.67	0.00
POI with private operators			
Airtel	NA	3.19	6.21
Gujarat			
Idea - BSNL			
ANAND	2.84	11.90	19.60
Mehsana	0.00	0.00	5.08
Himmatnagar	0.00	0.00	4.23
AMRELI	5.36	8.70	18.25

Ahamdabad GBT	0.00	1.05	0.18
Surat	0.00	1.28	7.45
Surendranagar	0.00	0.00	4.20
Bhavnagar	0.00	0.00	1.13
Valsad	0.00	0.68	0.00
Jamnagar	0.00	0.60	1.90
POI with private operators			
Idea_Airtel Gandhinagar	0.00	15.53	0.00
Idea_Airtel Rajkot	0.00	0.00	20.20
Kerala			
BSNL			
Alleppy	1.54	0.00	0.00
Kannur	17.99	7.39	0.00
BSNL NLD	89.16	56.41	29.97
Ernakulam	2.68	6.12	16.95
POI with private operators			
Tata wireline	3.48	0.63	0.04
Airtel Mobile	NA	1.35	1.11
UP(W)			
Idea - BSNL			
Mainpuri	0.00	13.58	0.00
Bijnaur	53.61	59.13	63.49
Pilibhit	13.32	15.66	13.31
Haldwani	4.00	0.00	2.06
BSNL NLD Agra	28.10	13.06	33.68
Haridwar	0.98	NA	0.00
POI with private operators			
Relaince	6.39	0.00	0.00
Haryana			
POI with BSNL			
Ambala Lvele 1 TAX	4.01	1.15	1.74

POI Congestion Report of M/s Hutchissson Essar Mobile Services Limited for the month of Sept - Nov, 2005			
Name of Circles & POIs	Benchmark <0.5%		
	September	October	November
Andhara Pradesh			
Hutch_Idea	47.25%	2.18%	0.80%
Hutch_Airtel	No Congestion		1.83%
Punjab			
POI with BSNL			
JALANDHAR	0.00%	5.79%	38.43%
POI with Private Operators			
Spice, Jalandhar	NA	NA	10.62%
Spice, Chandigarh	NA	NA	10.66%

Gujarat			
POI with BSNL			
Aamreli	0.00%	0.00%	4.24%
Rajasthan			
POI with BSNL			
Sri Ganganagar	23.37%	33.51%	54.60%
Alwar	17.82%	8.12%	14.87%
Sirohi	3.21%	4.39%	13.20%
Nagaur	20.85%	25.36%	55.40%
Sw Madhopur	6.18%	11.50%	15.25%
Bharatpur	9.97%	12.67%	10.62%
Churu	1.72%	7.91%	25.02%
Sikar	43.63%	44.24%	76.07%
Jaipur	1.02%	0.00%	0.87%
Bikarner	6.12%	7.00%	9.00%
UP East			
POI with BSNL			
Lucknow	40.00%	16.00%	20.00%
Faizabad	15.00%	10.00%	10.00%
Orai	61.00%	55.00%	50.00%
Pratapgarh	8.00%	NA	NA
Sitapur	6.00%	13.00%	9.00%
Balia	43.00%	53.00%	53.00%
Deoria	24.00%	17.00%	28.00%
Mau	16.00%	57.00%	32.00%
Azamgarh	23.00%	19.00%	11.00%
Gazipur	61.00%	62.00%	59.00%
Hadoi	NA	71.00%	76.00%
UP West			
POI with BSNL			
Agra	4.00%	4.00%	56.00%
Reliance Local	NA	NA	26.25%
West Bengal (ROB)			
POI with BSNL			
ASANSOL TAX	32.00%	49.00%	0.00%
KHRAGPORE TAX	45.00%	52.00%	14.00%
POI with other operators			
Airtel, Asansol	NA	16.00%	0.00%
Tata	NA	7.00%	0.00%
Reliance Infocom	NA	NA	5.00%
Haryana			
POI with BSNL			
Ambala	1.75%	11.00%	0.00%

POI Congestion Report of M/s BPL Mobile Communications Limited (Sep - Nov, 2005)			
Name of POIs	Benchmark <0.5%		
	September	October	November
Maharashtra			
POI with BSNL			
Jalgaon	No Congestion		1.26%
Shakardara	NA	NA	1.86%
Kalyan	2.92%	3.66%	1.95%
Pune	9.38%	7.86%	8.83%
Tamilnadu			
POI with BSNL			
Ganpath 3	No Congestion		1.24%
OCBTXOUT	6.57%	8.91%	6.04%
Vellore	0.05%	4.54%	1.85%
Kerala			
POI with BSNL			
Kochi	0.92%	1.82%	0.03%
Calicut	No Congestion		1.11%
Alleppy	0.00%	3.02%	0.00%

POI Congestion Report of M/s Aircel Cellular Limited (Sept - Nov, 2005)			
Name of POIs	Benchmark <0.5%		
	September	October	November
Chennai			
POI with BSNL			
BSNL Local	6.70%	0.08%	0.00%
BSNL NLD	87.00%	16.90%	5.00%
POI with other operators			
Airtel Local	87.00%	60.30%	35.00%
Hutch Local	81.60%	56.00%	31.00%
ROTN BPL	0.40%	2.00%	2.90%
ROTN TATA	0.00%	25.00%	30.00%
ROTN Reliance	76.00%	65.00%	34.00%
ROTN Airtel	39.60%	45.00%	36.00%
Tamilnadu			
POI with BSNL			
Coimbatore	8.00%	9.00%	11.00%
Dharmapuri	15.00%	5.00%	0.26%
Tanjore	50.00%	46.00%	30.00%
Cuddalore	7.00%	4.53%	0.00%

POI Congestion Report of M/s Spice Communications (Sept - Nov, 2005)			
Name of POIs	Benchmarks <0.5%		
	September	October	November
Punjab			
POI with BSNL			
Jalandhar	0.07%	4.73%	5.19%
Amritsar	0.00%	0.00%	1.06%
POI with other Operators			
Reliance Basic Punjab	3.58%	0.00%	1.13%
Hutch	0.00%	0.00%	1.99%

POI Congestion Report of M/s Bharat Sanchar Nigam Limited for the month of Sept - Nov, 2005			
Name of Circles & POIs	Benchmarks <0.5%		
	September	October	November
Karnataka			
MSC - Bangalore			
Central TAX	1.20%	0.84%	No congestion or within TRAI stipulated benchmark of <0.5%
WMS OCB TAX	1.50%	0.66%	
WMS Ericsson TAX	0.60%	0.09%	
Coimbtore TAX	0.60%	0.96%	
Maharashtra			
MSC - Pune			
Sawantwadi		0.73%	
NP TAX		0.76%	
Ratnagiri		0.51%	
Orissa			
MSC - Bhubaneshwar			
Keonjhar TAX	1.10%	1.70%	
UP - E			
MSC - Lucknow			
Lucknow - ALBO	1.25%	2.00%	
Hardoi	0.63%	0.00%	
Agra		2.00%	
AXEADO		1.00%	
Azamgarh		2.00%	
Balia		1.00%	

Delhi		2.00%
Faizabad		4.00%
JLDHRO		1.00%
Sitapur		2.00%
West Bengal		
MSC - Salt Lake Kolkata		
Asansol	1.90%	1.94%
Bankura	1.40%	1.56%
Berhampore	1.30%	1.31%
Coochbihar	1.60%	1.78%
Gangtok	1.70%	1.38%
Jalpaiguri	1.30%	1.62%
Kharagpur	1.40%	1.12%
Krishnanagar	1.20%	1.62%
Malda	1.70%	1.92%
Purulia	1.30%	1.80%
Raiganj	1.60%	1.51%
Siliguri	1.90%	1.98%
Suri	1.90%	1.92%
Kolkata	1.80%	1.86%
Salkia	1.70%	1.25%

POI Congestion Report of M/s Dishnet Wireless Limited for the month of November, 2005		
Sr. No.	Name of POIs	Benchmark <0.5%
		November
1	Assam	
	POI with BSNL	
1	Guwahat Local & NLD	0.30%
2	Guwahat ILD	0.00%
	POI with other operators	
4	Reliance Telecom	0.05%
5	VSNL NLD	0.00%
2	North East	
	POI with BSNL	
1	Shillong Local & NLD	33.18%
3	Orissa	
	POI with BSNL	
1	Bhuvneshwar Balasore	0.96%
2	Cuttack NLD	0.23%
	POI with other operators	
3	Bhuvneshwar Tata Tele Mobile	0.75%
4	Reliance Telecom Limited	3.40%

5	Reliance Infocom Limited	0.52%
4	West Bengal	
	POI with BSNL	
1	Durgapur - MSC, Asansole	0.13%

Note:- M/s Dishnet Wireless Limited has submitted their first POIs report in this month