

File No. 304-7/2012-QoS
TELECOM REGULATORY AUTHORITY OF INDIA
(Quality of Service Division)

Dated: 24th May, 2012

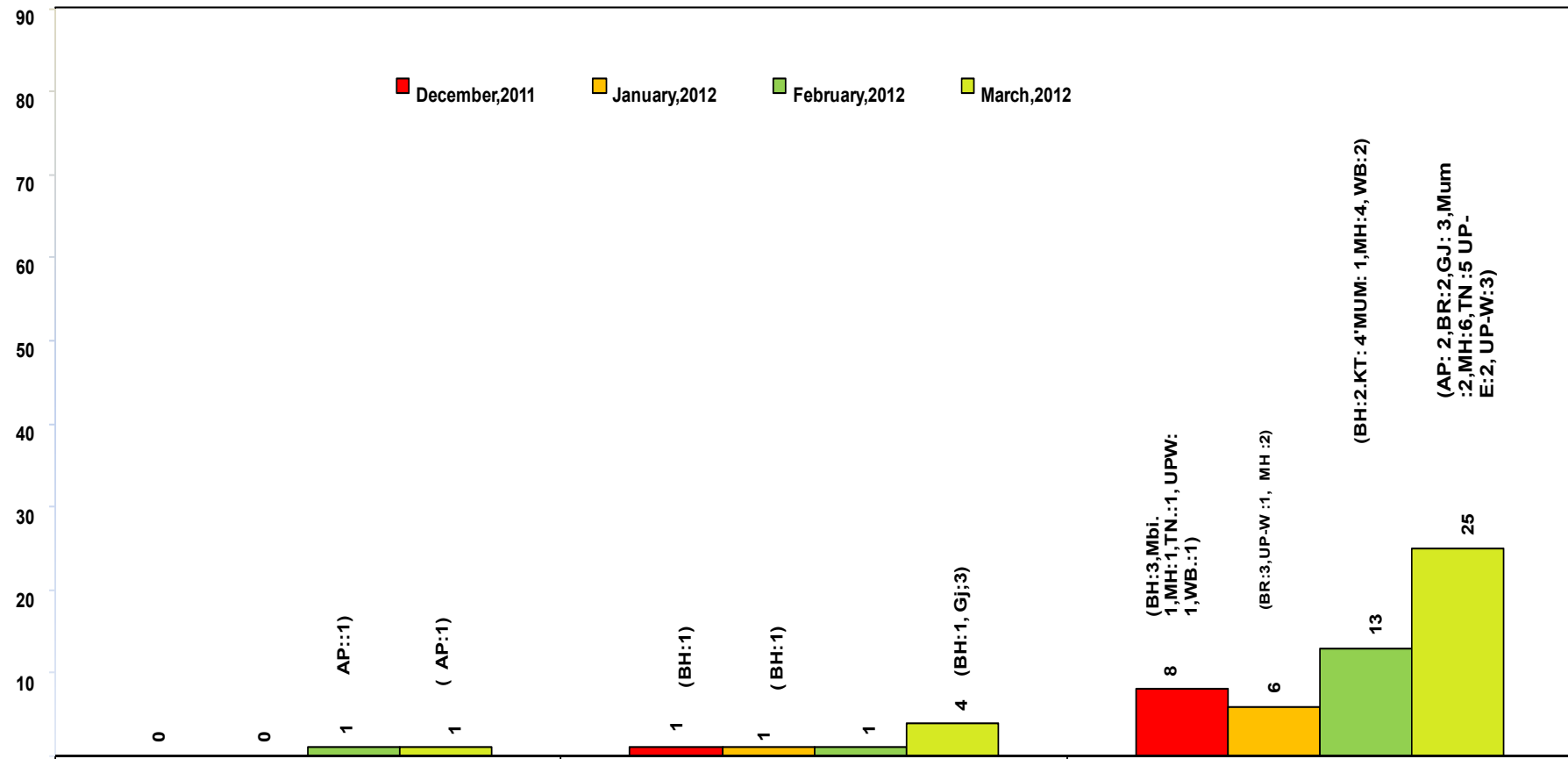
Point of Interconnection (POIs) Congestion report of the Cellular Mobile Telephone Service Providers (CMTS) and Basic Telephone Service (Wireline) Providers for the months of January, February & March, 2012.

The growth of mobile network is rapid and about 8 million subscribers are added every month. In order to ensure seamless interconnection, TRAI has been monitoring the level of congestion at the Point of Interconnection (POI) between various service providers on monthly basis. This parameter signifies the ease with which a customer of one network is able to communicate with a customer of another network. This parameter also reflects as to how effective is the interconnection between two networks. The benchmark notified by TRAI in the QoS Regulations for this parameter is <0.5%. This means out of 200 calls between two operators only one call should face congestion. The result of the monitoring reveals that degree of congestion between the operators is far more than the benchmark in number of areas.

A. Cellular Mobile Telephone Service :

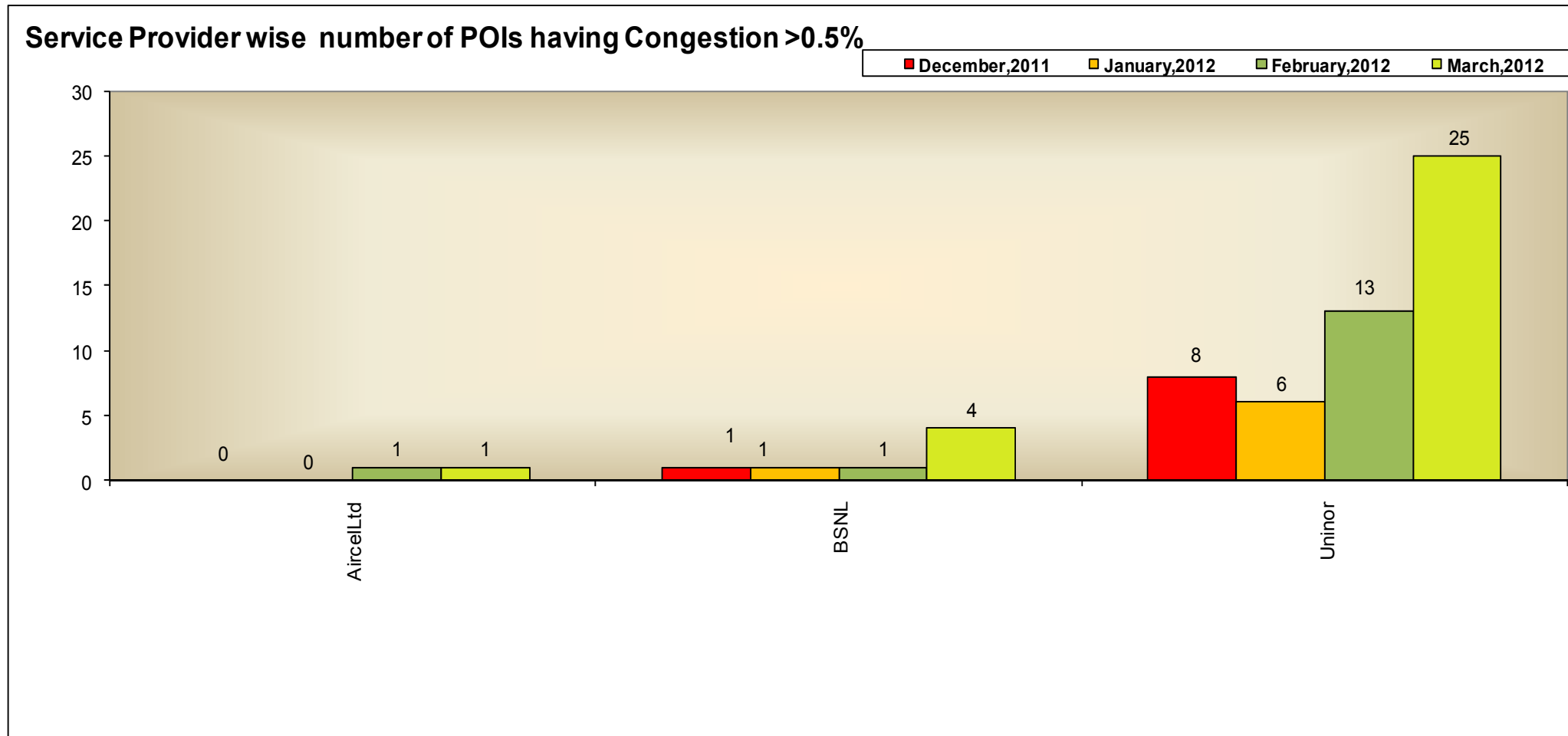
- Cellular Mobile Service Providers (CMSPs) have submitted their POIs Congestion Reports to TRAI for the months of January, February & March 2012.
- This report include only the Service Providers who do not meet TRAI's stipulated POI Congestion benchmark of <0.5% in any of their service areas.
- The POI Congestion Report shows that the performance of the CMSPs with respect to the congestion on POIs has deteriorated in the month of March 2012 as compared with the performance in December 2011. During the period Cellular Mobile Telephone Subscriber base has increased from 893.84 million in December 2011 to 919.17 million in March 2012. The number of POIs having congestion has increased from 9 in December 2011 to 30 POIs in March 2012.
- Out of these 30 POIs having congestion in March 2012, 2 POIs are having congestion more than 25%.
- Amongst the service providers as of March 2012, the service providers having highest no. of congestion in their POIs - Uninor have congestion in (25 POIs) and BSNL (4 POI) and Aircel (1 POI).
- The most affected circles/states due to POI congestion are Gujarat (6 no. of congested POIs) and MH (6 no. of congested PoIs), AP (3 POIs), BH (3 POIs), Mum. (2POIs) TN (5 POIs), UP (E) (2 POIs) and UP(West) (3 POIs).

Service Provider wise and Service Area wise number of POIs having Congestion level >0.5%

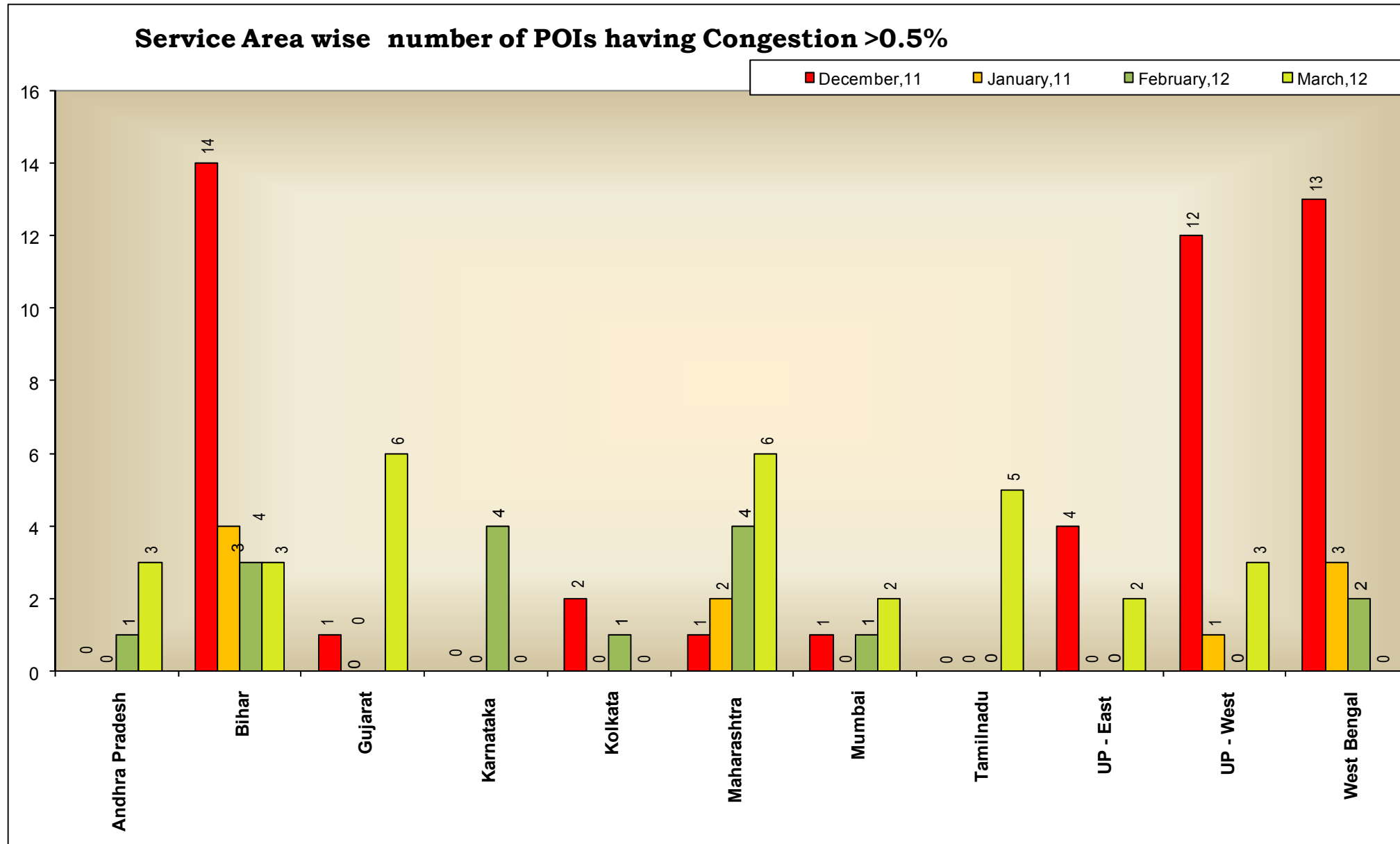


	AircellLtd	BSNL	Uninor
December,2011	0	1	8
January,2012	0	1	6
February,2012	1	1	13
March,2012	1	4	25

(ii) Service Provider wise POI Congestion (CMTS)



(iii) Service Area wise POI Congestion (CMTS)



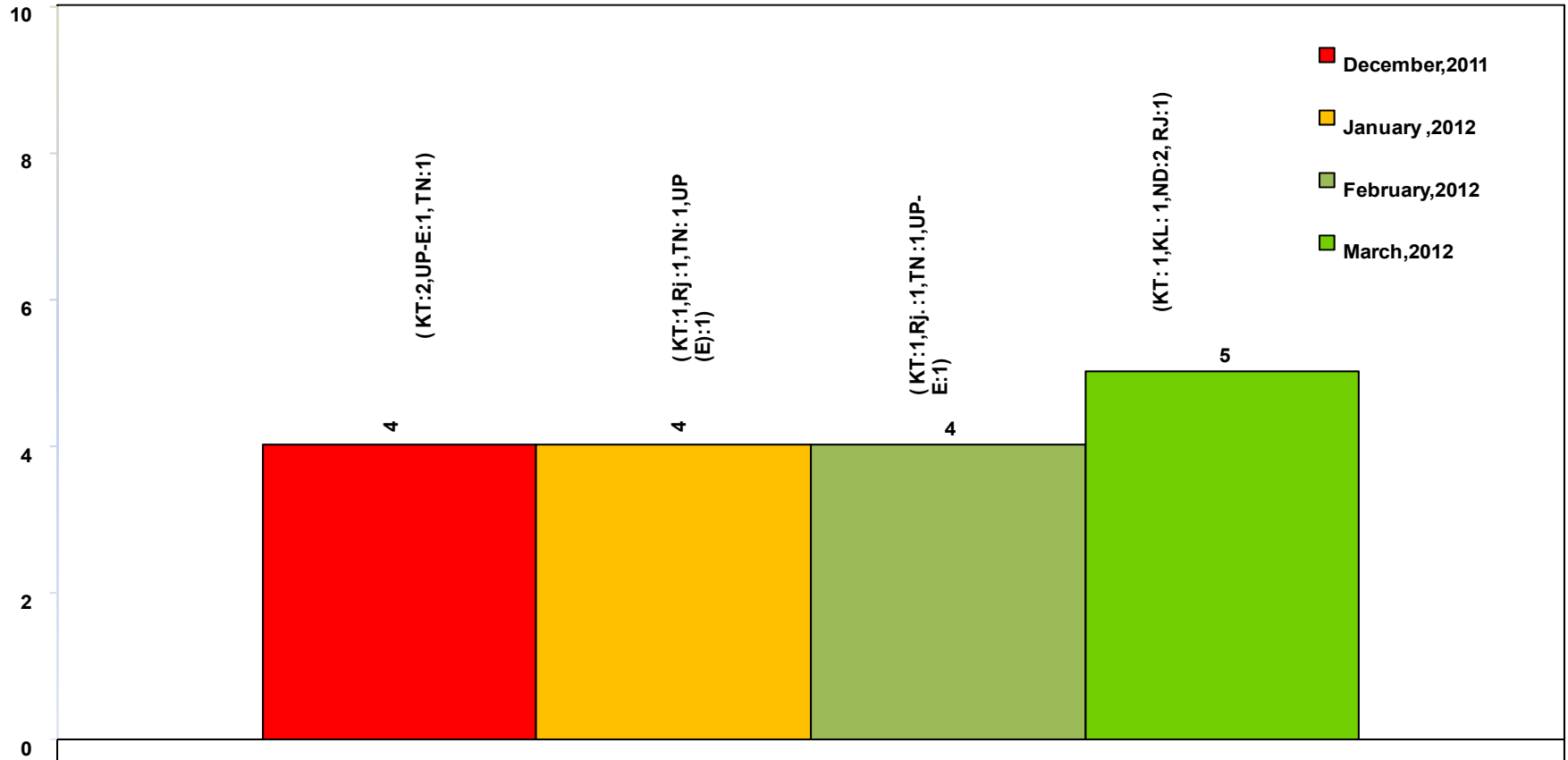
B. Basic Telephone Service (Wireline) :

As per the Regulations, 2009, Basic Telephone Service (Wireline) Providers have submitted their POIs Congestion Reports to TRAI for the months of January, February and March 2012.

- This report include only the Service Providers who do not meet the TRAI stipulated POI Congestion benchmark of <0.5% in any of their service areas.
- The POI Congestion Report shows that the performance of the Basic Telephone Service (Wireline) providers with respect to the congestion on POIs in the month of March,2012 has deteriorated as compared with the performance in December 2011. During the period, Basic Telephone Service (Wireline) Subscriber base has decreased from 32.69 million in December 2011 to in 32.17 million in March 2012. The number of POIs having congestion has increased from 4 in December 2011 to 5 in March 2012.
- Out of these 5 POIs having congestion in March 2012, 1 POI is having congestion more than 25% in March 2012.
- The Circles/ States affected due to POI congestion are KL (1 POI), KT (1 POIs), ND (2 POIs) and RJ [1 POI).

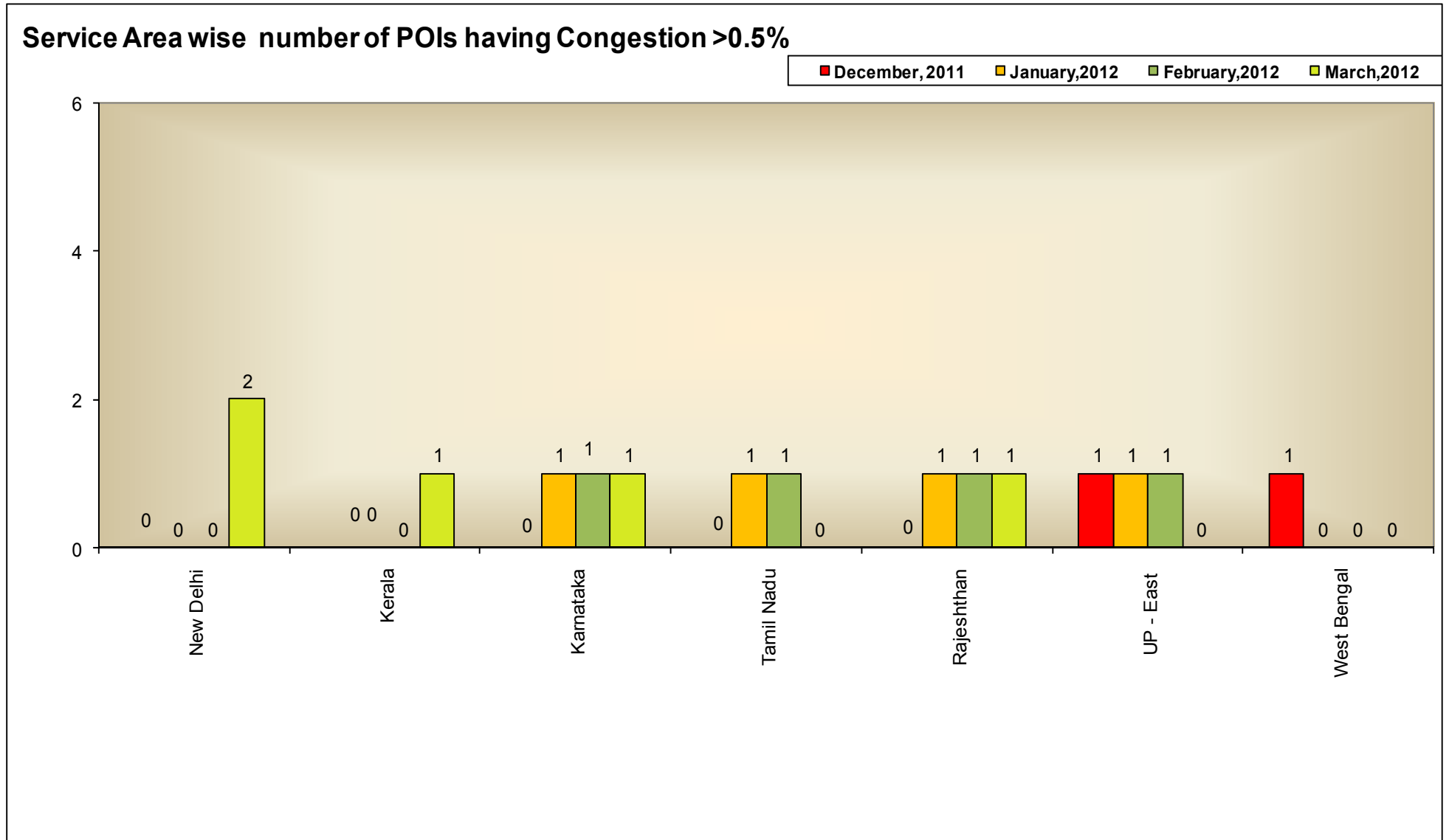
Service provider wise POI Congestion (Basic Telephone Service-wireline)

Service Provider wise Service Area wise number of POIs having Congestion level >0.5%



	BSNL	
December,2011	4	
January ,2012	4	
February,2012	4	
March,2012	5	

(ii) Service Area wise POI congestion (Basic Telephone Service-wireline)



The non-provisioning and insufficient provisioning of telecom circuit resource as per traffic requirements leads to:

- inter-network congestion at the Point of Interconnection (POI)
 - loss of calls
 - repeated call attempts by consumers
 - deterioration in Quality of Service (QoS)
 - consumer dissatisfaction
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Authorised for issue

Advisor (QoS)

Analysis - No. of POIs having congestion level Licenced Service Area wise (CMTS)									
SL. No.	Circles	December,2011		January ,2012		February,2012		March,2012	
		>0.5%	>25%	>0.5%	>25%	>0.5%	>25%	>0.5%	>25%
1	Andhra Pradesh	0	0	0	0	1	0	3	0
2	Assam	0	0	0	0	0	0	0	0
3	Bihar	4	1	4	1	3	1	3	0
4	Chennai	0	0	0	0	0	0	0	0
5	Delhi	0	0	0	0	0	0	0	0
6	Gujarat	0	0	0	0	0	0	6	1
7	Haryana	0	0	0	0	0	0	0	0
8	Himachal Pradesh	0	0	0	0	0	0	0	0
9	J & K	0	0	0	0	0	0	0	0
10	Karnataka	0	0	0	0	4	0	0	0
11	Kerala	0	0	0	0	0	0	0	0
12	Kolkata	0	0	0	0	1	0	0	0
13	Madhya Pradesh	0	0	0	0	0	0	0	0
14	Maharashtra	1	0	2	0	4	0	6	0
15	Mumbai	1	0	0	0	1	0	2	1
16	North East	0	0	0	0	0	0	0	0
17	Orissa	0	0	0	0	0	0	0	0
18	Punjab	0	0	0	0	0	0	0	0
19	Rajasthan	0	0	0	0	0	0	0	0
20	Tamilnadu	1	0	0	0	0	0	5	0
21	UP - East	0	0	0	0	0	0	2	0
22	UP - West	1	0	1	0	0	0	3	0
23	West Bengal	1	0	0	0	2	0	0	0
Total		9	1	7	1	16	1	30	2

Analysis - No. of POIs having congestion level Service Providers wise (CMTS)									
SL. No.	Circles	December,2011		January,2012		February,2012		March,2012	
		>0.5%	>25%	>0.5%	>25%	>0.5%	>25%	>0.5%	>25%
1	AircelLtd	0	0	0	0	1	0	1	0
2	Bharti Airtel	0	0	0	0	0	0	0	0
3	BSNL	1	1	1	1	1	1	4	0
5	Idea	0	0	0	0	0	0	0	0
6	Loop Mobile	0	0	0	0	0	0	0	0
7	Etisalat	0	0	0	0	Not reported	0	Not reported	0
8	MTNL	0	0	0	0	0	0	0	0
9	Quadrant	0	0	0	0	0	0	0	0
10	R Comm.	0	0	0	0	0	0	0	0
11	RTL	0	0	0	0	0	0	0	0
12	S Tel	0	0	0	0	Not reported	0	Not reported	0
13	Sistema	0	0	0	0	0	0	0	0
14	Tata Teleservices	0	0	0	0	0	0	0	0
15	Uninor	8	0	7	1	13	0	25	2
16	Videocon	0	0	0	0	0	0	0	0
17	Vodafone	0	0	0	0	0	0	0	0
	Total	9	1	8	2	15	1	30	2

**Comparative POI Congestion level of Basic Telephone Service (Wireline)
Service Providers Wise**

SL. No.	Circles	December, 2011		January ,2012		February ,2012		March,2012	
		>0.5%	>25%	>0.5%	>25%	>0.5%	>25%	>0.5%	>25%
		1	BSNL	4	1	4	2	4	1
Total		4	1	4	2	4	1	5	2

**Analysis - No. of POIs having congestion level Licence Service Area wise
(Basic Telephone-Wireline)**

SL. No.	Circles	December, 2011		January, 2012		February, 2012		March, 2012	
		>0.5 %	>25 %	>0.5 %	>25 %	>0.5 %	>25 %	>0.5%	>25%
1	Karnataka	2	0	1	0	1	0	1	1
2	Kerla	0	0	0	0	0	0	1	0
3	New Delhi	0	0	0	0	0	0	2	0
4	UP - East	1	1	1	1	1	0	0	0
5	Rajasthan	0	0	1	1	1	1	1	1
6	Tamil Nadu	1	0	1	0	1	0	0	0
7	West Bengal	0	0	0	0	0	0	0	0
Total		4	0	4	2	4	1	5	2