



**TELECOM REGULATORY AUTHORITY OF INDIA**  
**Mahanagar Doorsanchar Bhavan,**  
**Jawaharlal Nehru Marg (Old Minto Road),**  
**New Delhi - 110 002**

**Comparative Performance of Telecom Service Providers in Karnataka Service Area,**  
**Key Quality of Service (QoS) Parameters for Quarter Ending March 2012**

**Cellular Mobile Telephone Service**

Name of the Service Provider	QoS Parameter (Benchmark) →	Base Stations (BTS) Accumulated downtime: Non-availability of Mobile network in a month in %age (≤ 2%)	Accessibility: %age of calls made by subscribers and successful within operator's network (≥ 95%)	Connection Maintenance (Retainability)		Resolution of billing / charging complaints: %age of billing/charging complaints resolved within 4 weeks
				Call Drop Rate: %age of established calls getting disconnected due to network problems (≤ 2%)	%age of Calls with good voice quality (≥ 95%)	
	<b>Data Reported by</b>					
Aircel	Service Provider	0.06	99.50	0.68	98.64	100.00
	Audit Agency (TCIL)	0.14	99.42	0.43	98.57	100.00
Bharti Airtel	Service Provider	0.22	99.39	0.38	99.10	100.00
	Audit Agency (TCIL)	0.16	98.68	0.76	98.77	100.00
BSNL	Service Provider	0.87	99.00	1.17	98.57	100.00
	Audit Agency (TCIL)	1.01	98.90	1.35	98.60	100.00
Idea Cellular	Service Provider	0.05	97.46	1.13	97.20	100.00
	Audit Agency (TCIL)	0.05	97.89	1.16	97.05	100.00
Reliance Comm. (CDMA)	Service Provider	0.17	99.28	0.41	98.91	100.00
	Audit Agency (TCIL)	0.07	99.83	0.32	99.46	100.00
Reliance Comm. (GSM)	Service Provider	0.21	99.72	0.45	99.22	100.00
	Audit Agency (TCIL)	0.13	99.74	0.29	99.16	100.00
Sistema Shyam	Service Provider	0.17	99.05	0.69	98.24	100.00
	Audit Agency (TCIL)	0.17	97.76	0.98	99.51	100.00
Tata Tele. (CDMA)	Service Provider	0.03	99.19	0.24	99.01	100.00
	Audit Agency (TCIL)	0.02	99.34	0.35	98.86	100.00
Tata Tele. (GSM)	Service Provider	0.07	98.17	0.69	98.39	100.00
	Audit Agency (TCIL)	0.07	98.10	0.82	97.87	100.00
Uninor	Service Provider	0.04	99.13	1.18	98.47	100.00
	Audit Agency (TCIL)	0.04	99.10	1.12	98.66	100.00
Videocon	Service Provider	0.25	99.67	0.11	99.26	100.00
	Audit Agency (TCIL)	0.23	99.10	0.77	99.37	100.00
Vodafone India Ltd.	Service Provider	0.01	99.01	0.63	98.82	100.00
	Audit Agency (TCIL)	0.02	99.40	0.68	98.69	100.00

**Basic Telephone Service (Wireline)**

* The audited data pertains to the audit period July to Sept'11	QoS Parameter (Benchmark) →	Fault incidence: No. of faults per 100 subscribers per month (≤ 5)	Fault Repair: %age of faults repaired within one day of booking (≥ 90%)	Mean Time to Repair: the average time taken to repair a fault. (≤ 8 Hrs)	Resolution of billing / charging complaints: %age of billing/charging complaints resolved within 4 weeks (100% within 4 weeks)
	<b>Data Reported by</b>				
Bharti Airtel	Service Provider	2.45	94.02%	3.27	99.86%
BSNL	Service Provider	4.01	93.37%	5.82	NR
Reliance Comm.	Service Provider	0.15	100.00%	NR	100.00%
Tata Teleservices	Service Provider	0.24	98.65%	4.02	0.00%

shaded boxes indicate benchmark not met

: Reported DNF - Data not in format

\* The audited data pertains to the audit period July to Sept'11

(Issued in Public Interest by TRAI)