GOVERNMENT OF INDIA MINISTRY OF COMMUNICATIONS AND INFORMATION TECHNOLOGY DEPARTMENT OF TELECOMMUNICATIONS

LOK SABHA

UNSTARRED QUESTION NO.2945 TO BE ANSWERED ON 16th DECEMBER, 2015 SERVICE TENDERED BY BSNL/MTNL

†2945. DR. SHRIKANT EKNATH SHINDE:

DR. HEENA VIJAYKUMAR GAVIT:

SHRI VINAYAK BHAURAO RAUT:

SHRI MOHITE PATIL VIJAYSINH SHANKARRAO:

SHRI K. ASHOK KUMAR:

SHRIMATI SUPRIYA SULE:

SHRI SATAV RAJEEV:

SHRI RAHUL SHEWALE:

SHRI T. RADHAKRISHNAN:

DR. J. JAYAVARDHAN:

Will the Minister of COMMUNICATIONS AND INFORMATION TECHNOLOGY be pleased to state:

- (a) whether the Government has taken note of deficient service rendered by the Bharat Sanchar Nigam Limited (BSNL) and Mahanagar Telephone Nigam Limited (MTNL) and if so, the details thereof;
- (b) the quality parameters laid down and service actually provided by telecom PSUs:
- (c) whether the Government has urged BSNL and MTNL to efficiently use social media for customer satisfaction and ordered special training for BSNL and MTNL officers for the purpose and if so, follow-up action taken by BSNL and MTNL thereon;
- (d) whether BSNL and MTNL propose to rope in third agency to manage customer care service and if so, the details thereof; and
- (e) the other steps taken/being taken by the Government to improve the quality of mobile and internet service of BSNL, MTNL and to provide internet at specific speed on affordable price?

ANSWER

THE MINISTER OF COMMUNICATIONS AND INFORMATION TECHNOLOGY (SHRI RAVI SHANKAR PRASAD)

(a) & (b) Government is conscious that the performance of Bharat Sanchar Nigam Limited (BSNL) and Mahanagar Telephone Nigam Limited (MTNL) needs improvement. These PSUs have been unable to invest in expansion of their networks due to financial distress.

Telecom Regulatory Authority of India (TRAI) monitors the performance of service providers against the Quality of Service (QoS) benchmark parameters. The performance monitoring reports (PMRs) for the quarter ending September, 2015 for BSNL and MTNL as provided by TRAI are at **Annexure.**

- (c) BSNL and MTNL have reported that they are using social media for receiving complaints and suggestions from customers for better customer satisfaction.
- (d) BSNL and MTNL have already outsourced their customer care Call Centres.
- (e) BSNL and MTNL are taking various steps to improve their network. The details of these steps are as follows:

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- Monitoring of the Fault Repair Service System.
 - Deployment of modern and state of art CDR (Call Detail Record) based Billing & Customer care system.
 - Establishment of Customer Service Centers at all important locations in the country with "single window concept" to facilitate friendly interactions with the customers.
 - Replacement of weak batteries and power plants to improve network uptime
 - Regular Radio Frequency (RF) optimization tests.
 - BSNL has entered into an agreement for setting up Wi-fi hotspots on revenue share basis to increase its revenue and providing better services to its customers.
 - Introducing free night calling tariff plans for wireline customers to arrest decline in customer base and to acquire new wireline customers.
 - Introduction of free national roaming on pan-India basis for mobile customers for retaining/increasing mobile customer base.

In order to improve the financial condition and support BSNL in additional revenue generation, Government has also assigned new projects to BSNL such as :

- Comprehensive Telecom Development Plan for the North-Eastern Region for provision of mobile services in uncovered villages in Arunachal Pradesh and two districts of Assam at estimated project cost of Rs. 1975.38 crore and implementation of Transmission-Media Plan for North Eastern Region at an estimated cost of Rs.295.97 crore on 10.9.2014
- Implementation of providing mobile connectivity in 2199 identified locations in Left Wing Extremism (LWE) affected areas at an estimated cost of Rs. 3567.58 crores on 4.6.2013
- Implementation of Comprehensive Telecom Development plan for Andaman & Nicobar Islands and Lakshadweep Islands through augmentation of satellite connectivity/bandwidth at an estimated cost of Rs. 120.49 crores on 7.11.2014.

BSNL is also taking several steps to enhance revenues through investments to strengthen its network to improve quality of service. These include:-

- Augmentation of mobile network as part of its Phase-VII Project to create additional capacity of 15 million lines at an estimated cost of Rs. 5500 crores. This will result in addition of 14421 2G sites and 10605 3G sites across the country.
- For improving broadband services, BSNL has installed Google caching servers at 13 locations and done peering with Google at 3 locations for 110 GB capacity. Also Akamai caching servers were installed for 100 GB capacity. Also, BSNL has upgraded 47 Broadband Network Gateways (BNGs) in Broadband network for higher capacity.
- BSNL has entered into an agreement for setting up Wi-fi hotspots on revenue share basis to increase its revenue and providing better services to its customers.
- BSNL has introduced free night calling tariff plans for wireline customers to arrest decline in customer base and to acquire new wireline customers.
- Introduction of free national roaming on pan-India basis for mobile customers for retaining/increasing mobile customer base.
- All BSNL Broadband customers have been upgraded to 2 Mbps at no extra cost w.e.f. 1.10.2015.

	Annex Quarterly Performance Monitoring Report (PMR) on QoS of Basic Telephone Service (Wireline) for QE September,2015																	
			Fault Repair		ince Moni		eport (F		POI	Metering			Vireline) to	r QE Septe		e time to the r for ce	Termination / closure of service	
Service Area	Service Provider	Faults incidences (No. of faults/100 Subs./month)	% of faults repaired by	% of faults repaired within 5 days % of faults repaired by next working day		% of faults repaired within 7 days	Rent Rebate	Mean Time to Repair (MTTR)	Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark	Metering and Billingcredibility - post paid	Metering and billing credibility - pre paid	Resolution of billing/charging/validity complaints		Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of	Accessibility of call centre/ customer care	Percentage of calls answered by the operators (voice to voice) within 90 seconds	%age requests for Termination / Closure of service complied within 7 days	Time taken for refund of deposits after closures
Name of Serv	Name of Serv	<u>≤</u> 7	For urban	For urban areas: ≥ 100%	and hilly areas: ≥ 75%	For rural and hilly areas: ≥ 100%		≤ 10 Hrs	≤ 0.5%	≤ 0.1%	≤ 0.1%	98% within 4 weeks	100% within 6 weeks	1 week of resolution of complaint	≥ 95%	≥ 95%	100% within 7 days	100% within 60 days
A&N	BSNL	4.00	95.00%	100.00%	95.00%	100%	30	7.00	0.00	0.10%	0.00	98.00%	100.00%	100.00%	100.00%	97.33%	100.00%	100.00%
AP	BSNL	5.00	94.00%	100.00%	95.00%	100%	167	7.00	0.00	0.00%	0.00	100.00%	100.00%	100.00%	97.74%	97.70%	100.00%	100.00%
ASM	BSNL	4.00	97.00%	100.00%	96.00%	100%	394	3.00	0.00	0.09%	0.00	100.00%	100.00%	100.00%	98.99%	97.67%	100.00%	100.00%
ВН	BSNL	4.00	97.00%	100.00%	95.00%	100%	0	4.00	0.00	0.00%	0.00	100.00%	100.00%	100.00%	98.99%	97.00%	100.00%	100.00%
Chattisgarh		4.00	98.00%	100.00%	97.00%	100%	844	5.00	0.00	0.01%	0.01	99.00%	100.00%	100.00%	97.34%	97.06%	100.00%	100.00%
CN	BSNL	5.00	96.00%	100.00%	96.00%	100%	800		0.00	0.00%	0.00	100.00%	100.00%	100.00%	99.42%	99.40%	100.00%	100.00%
DEL	MTNL	8.49		97.21%	NA	NA			0.00	0.03%	0.00%	99.71%	100.00%	100.00%	99.60%	99.86%	100.00%	100.00%
GUJ	BSNL	5.00	96.00%	100.00%	92.00%	100%	408		0.00	0.02%	0.00	100.00%	100.00%	100.00%	97.75%	97.66%	100.00%	100.00%
HP	Reliance	0.00	NA	NA	NA	NA	0	0.00	0.00	0.00%	NA	NA	NA	NA	98.99%	98.99%	100.00%	100.00%
HP	BSNL	5.00	91.00%	100.00%	95.00%	100%	180	6.00	0.00	0.04%	0.02	98.56%	100.00%	100.00%	97.32%	98.33%	100.00%	100.00%
HR	BSNL	5.00	94.00%	100.00%	94.00%	100%	686	6.00	0.00	0.09%	0.00	100.00%	100.00%	100.00%		94.67%	100.00%	100.00%
J&K	BSNL	5.00	94.00%	100.00%	85.00%	100%	102		0.00	0.01%		98.00%	100.00%	100.00%		98.33%	100.00%	100.00%
JHAR	BSNL	4.00	97.00%	100.00%	94.00%	100%	281		0.00	0.09%	0.00	98.00%	100.00%	100.00%		97.33%	100.00%	100.00%
KER	BSNL	4.00	92.00%	100.00%	89.00%	100%	1014		0.00	0.01%		99.64% NA	100.00% NA	100.00%	98.23%	98.37%	100.00%	100.00%
KOL	Vodafone BSNL	0.65 7.00	100.00% 90.00%	100.00% 100.00%		NA NA	NA 393	3.08	0.00%	0.00% 0.00%	NA 0.00	98.48%	100.00%	NA 100.00%	99.39% 99.23%	100.00% 96.67%	NA 100.00%	NA 100.00%
KTK	BSNL	4.00	97.00%	100.00%	95.00%	100%	2205		0.00	0.10%	0.00	100.00%	100.00%	100.00%	98.70%	98.78%	100.00%	100.00%
MH	BSNL	5.00	93.00%	100.00%	82.00%	100%	1583	7.00	0.00	0.00%	0.00	100.00%	100.00%	100.00%	96.61%	96.65%	100.00%	100.00%
MP	BSNL	4.00	88.00%	100.00%	85.00%	100%	1564		0.00	0.10%	0.00	98.00%	100.00%		97.24%	97.24%	100.00%	100.00%
MUM	MTNL	5.34		99.88%		NA			0.00	0.03%	NA	99.43%	100.00%	NA	95.89%	95.40%	99.40%	100.00%
NE	Vodafone	0.00	NA	NA		NA	NA		0.00%	0.00%	NA	NA	NA	NA	99.39%	100.00%	NA	NA
NE-I	BSNL	4.00				100%	32		0.00	0.02%		98.00%				97.67%	100.00%	100.00%
NE-II	BSNL	3.00	98.00%	100.00%	100.00%	100%	66		0.00	0.10%	0.00	100.00%	100.00%	100.00%		97.67%	100.00%	100.00%
OR	BSNL	6.00	93.00%	100.00%	88.00%	100%	906		0.00	0.10%		99.00%	100.00%			96.67%	100.00%	100.00%
PB	BSNL	5.00	90.00%	100.00%	92.00%	100%	747		0.00	0.03%	0.10	98.00%	100.00%	100.00%	96.07%	94.33%	100.00%	100.00%
RAJ	BSNL	5.00	95.00%	100.00%	95.00%	100%	293	6.00	0.00	0.00%	0.00	100.00%	100.00%	100.00%		95.67%	100.00%	100.00%
TN	BSNL	3.00	95.00%	100.00%	92.00%	100%	2268		0.00	0.08%	0.00	100.00%	100.00%	100.00%		99.04%	100.00%	100.00%
UPE	BSNL	4.00	95.00%	100.00%	94.00%	100%	791		0.00	0.08%	0.00	100.00%	100.00%	100.00%		98.67%	100.00%	100.00%
UPW	BSNL	5.00	96.00%	100.00%	96.00%	100%	697		0.00	0.01%	0.00	100.00%	100.00%	100.00%	96.55%	98.67%	100.00%	100.00%
	BSNL	6.00	95.00%	100.00%	96.00%	100%	284	4.00	0.00	0.00%	0.00	98.00%	100.00%	100.00%	97.77%	98.00%	100.00%	100.00%
West Bengal	BSNL	6.00	91.00%	100.00%	91.00%	100%	528	5.00	0.00	0.08%	0.00	100.00%	100.00%	100.00%	98.82%	97.33%	100.00%	100.00%

Annex

Performance Monitoring Report on Quality of Service of Service Providers providing broadband service (wireline) for Quarter Ending September, 2015

		Service Provisi oning	Faults	Repair		Billing Performance				Response Time to the Bandwidth Customer for utilisation/throughput assistance						Packet Loss		ork latered broad	5)
Service Provider	Service area	%age of connections provided within 15 days of registration of demand	% of faults repaired by next working day (>90%)	% of faults repaired within 3 working day	Rent Rebate	%age of bills disputed	%age of billing complaints resolved within 4 weeks	%age of cases to whom refund of deposits is made within 60 days of closures	%age of calls answered by operator (Voice to voice) within 60 sec	%age of calls answered by operator (Voice to voice) within 90 sec	No. of Intra network links having Bandwidth utilisation >90% during peak hours (TCBH)	No. of Upstream links for International connectivity having bandwidth utilisation >90% during peak hours (TCBH)	% International bandwidth utilization during peak hours (TCBH) (Enclose MRTG) <90%	Broadband Connection Speed available (download) from ISP node to user	(for all users) in %age	Packet loss (for wired broadband access) in %age	User reference point at POP/ISP Gateway node to International gateway (IGSP/NIXI	User reference point at ISP Gateway node to International nearest NAP port abroad (terrestrial)	User reference point at ISP Gateway node to Internatio nal nearest NAP port abroad (satellite)
		100%	>90%	Q	in nos.	<2%	100%	100% within 60 days	>60%	>80%	0	0	<90%	>80%	>98%	<1%	<120 ms	<350 ms	<800 ms
BSNL	All India	100.00%	94.04%	99.71%	4149	0.07%	100.00%	100.00%	93.20%	95.70%	0	0	76.20%	90.69%	99.68%	0.30%	34	190	NA
MTNL	Delhi & Mumbai	99.96%	87.05%	96.63%	24751	0.055%	100.00%	100.00%	90.45%	91.76%	Nil	0	86.03%	90.00%	99.93%	0.59%	42	290	NA

Annex

		Perfo	rmance	Monito	ring Rep	ort on C	Quality	of Service	of Cell	ular Mobile	Serivce	Provide	rs for qu	arter endi	ng, Septem	ber, 2015	5			
				ı	Network	Related	l Param	eters			Customer Servcice Quality Parameters									
			work ability	Connection Establishment (Accessibility)			Connection Maintenance (Retainability)			POI		Met	ering an	d billing		to the c	nse time customer sistance	Termin closu serv	ıre of	
Name of Service Area	Name of Service Provider	BTSs Accumulated downtime (not available for service) (%age)	Worst affected BTSs due to downtime (%age)	Call Set-up Success Rate (within licensee's own network)	SDCCH/ Paging Chl. Congestion (%age)	TCH Congestion (%age)	Call Drop Rate (%age)	Worst affected cells having more than 3% TCH drop (call drop) rate (%age)	Connection with good voice quality	Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark) (Averaged over a period of quarter)	Metering and billing credibility - post paid	Metering and billing credibility - pre paid	Resolution of billing/charging complaints	Resolution of billing/charging complaints	Period of applying credit/ waiver/adjustment to customer's account from the date of resolution of complaints	Accessibility of call centre/ customer care	Percentage of calls answered by the operators (voice to voice) within 90 seconds	%age requests for Termination / Closure of service complied within 7 days	Time taken for refund of deposits after closures	
		≤ 2%	≤ 2%	≥ 95%		≤ 2%	≤ 2%	≤ 3%	≥ 95%				98% within 4 weeks	100% within 6 weeks	within 1 week of resolution of complaint	≥ 95%	≥ 95%	100% within 7 days	100%	
Andhra Pradesh	BSNL	1.42	1.98	98.37	0.47	1.21	0.82	2.89	98.00	0	0.00	0.00	100.00	100.00	100.00	97.00	82.00	100.00	100.00	
Assam	BSNL	1.93	1.82	97.87	0.46	0.83	1.99	2.87	95.13	0	0.00	0.00	100.00	100.00	100.00	97.00	96.20	100.00	100.00	
Bihar	BSNL	8.66	19.67	97.84	0.57	0.86	2.46	6.40	96.65	0	0.00	0.00	99.18	100.00	100.00	99.50	96.17	100.00	100.00	
Chennai	BSNL	0.57	1.87	96.62	0.74	1.91	0.76	1.72	99.99	0	0.03	0.01	99.00	100.00	100.00	100.00	89.27	100.00	100.00	
Delhi	MTNL CDMA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
Delhi	MTNL GSM	0.17	0.68	96.70	0.58	1.73	1.86	2.57	96.98	0	0.05	0.02	100.00	100.00	100.00	95.01	99.86	100.00	100.00	
Gujarat	BSNL	1.94	1.97	96.85	0.14	0.79	1.08	2.86	100.00	0	0.02	0.00	100.00	100.00	100.00	100.00	95.67	100.00	100.00	
Haryana	BSNL	1.12	1.28	97.56	0.29	1.01	1.50	2.19	97.20	0	0.14	0.01	100.00	100.00	100.00	100.00	93.43	100.00	100.00	
Himachal Pradesh	BSNL	2.62	5.47	97.53	0.93	1.87	2.26	3.94	64.43	0	0.00	0.02	100.00	100.00	100.00	100.00	75.75	100.00	100.00	

Jammu & Kashmir	BSNL	1.61	1.67	96.25	0.43	1.51	1.57	2.25	98.26	0	0.05	0.01	100.00	100.00	100.00	100.00	82.00	100.00	100.00
Karnataka	BSNL	1.32	1.65	98.63	0.13	0.52	0.91	2.65	97.09	0	0.02	0.03	100.00	100.00	100.00	99.00	96.53	100.00	100.00
Kerala	BSNL	0.40	0.46	99.00	0.17	1.35	0.63	1.64	99.93	0	0.02	0.02	99.05	100.00	100.00	98.00	95.00	100.00	100.00
Kolkata	BSNL	3.74	11.30	99.29	0.33	0.44	0.60	2.70	99.77	0	0.02	0.10	100.00	100.00	100.00	96.00	96.67	100.00	100.00
Madhya Pradesh	BSNL	1.81	1.67	96.37	0.61	1.52	1.53	2.58	97.01	0	0.02	0.04	100.00	100.00	100.00	98.00	98.81	100.00	100.00
Maharashtra	BSNL	1.91	1.93	95.95	0.89	1.56	1.50	2.70	95.59	0	0.00	0.02	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Mumbai	MTNL GSM	0.60	1.08	99.06	0.33	0.10	1.45	1.94	95.40	0	0.06	0.00	99.59	100.00	100.00	95.57	95.75	100.00	100.00
Mumbai	MTNL CDMA	0.25	0.00	98.79	0.87	0.02	1.45	1.88	96.34	0	NR	NR	NR	NR	NR	NR	NR	NR	NR
North East	BSNL	2.60	8.47	95.58	3.18	3.82	3.79	7.07	92.27	0	0.03	0.03	99.50	100.00	100.00	99.00	97.81	100.00	100.00
Orissa	BSNL	1.50	1.94	98.22	0.59	1.78	1.83	2.89	98.17	0	0.00	0.04	100.00	100.00	100.00	97.00	96.97	100.00	100.00
Punjab	BSNL	0.63	1.82	97.11	0.59	0.65	1.17	3.37	95.48	0	0.06	0.00	100.00	100.00	100.00	100.00	82.96	100.00	100.00
Rajasthan	BSNL	1.53	1.82	98.65	0.46	1.33	1.48	1.85	98.64	0	0.05	0.49	99.89	100.00	100.00	97.65	74.51	100.00	100.00
Tamil Nadu	BSNL	0.73	1.50	98.81	0.16	0.60	1.04	2.32	96.73	0	0.02	0.01	100.00	100.00	100.00	100.00	94.00	100.00	100.00
UP-East	BSNL	1.86	1.83	98.22	0.87	1.87	1.79	2.53	96.50	0	0.09	0.09	98.90	100.00	100.00	99.00	97.76	100.00	100.00
UP-West	BSNL	0.97	1.80	97.32	0.50	1.30	1.18	1.96	96.43	0	0.01	0.01	100.00	100.00	100.00	100.00	98.18	100.00	100.00
West Bengal	BSNL	3.35	18.90	97.86	1.70	1.48	1.43	9.57	96.34	0	0.02	0.04	99.20	100.00	100.00	98.17	98.35	100.00	100.00

Cellular--3G

Annexure

Performance Monitoring Report on Quality of Service of Cellular Mobile Serivce Providers for quarter ending, September, 2015

Performance Monitor	ing report of	T Quality Of C	Delvice of Oc	- Indiai Wooli		widers for que	The ending, o	epterriber , z		1
		Network A	vailability	Connection (Accessibil	n Establishme lity)	nt	Connection I (Retainability			POI
Name of the Service Area / City	Name of Service Provider	Node-B's Accumulat ed	Worst affected BTSs and Node-B's due to downtime (%age)	Call Set- up Success Rate (within licensee's own network)	and RRC Congestion	TCH and Circuit Switched RAB Congestion (%age)	Call Drop and Circuit Switched Voice Drop Rate: (%age)	Worst affected cells having more than 3% TCH drop (call drop) and Circuit Switched Voice Drop Rate:- CBBH	quality and Circuit Switch Voice Quality (CSV	
	1	2	3	4	5	6	7	8	9	10
	Benchmark	≤ 2%	≤ 2%	≥ 95%	≤ 1%	≤ 2%	≤ 2%	≤ 3%	≥ 95%	≤ 0.5%
Andhra Pradesh	BSNL	0.67	1.93	97.67	0.80	1.77	0.67	2.83	99.70	0
ASSAM	BSNL	1.97	1.87	95.33	0.00	0.00	2.00	2.87	95.13	0
Bihar	BSNL	6.48	26.47	95.33	0.03	0.55	2.45	10.63	96.60	0
Chennai	BSNL	1.17	1.83	98.00	0.90	1.90	1.13	1.83	95.80	0
Delhi	MTNL	0.53	1.70	96.94	0.73	1.80	1.70	2.23	96.30	0
Gujarat	BSNL	1.63	1.53	96.33	0.50	1.13	1.67	2.27	100.00	0
Haryana	BSNL	1.54	1.62	96.92	0.74	0.86	1.48	1.82	96.69	0
Himachal Pradesh	BSNL	1.97	1.60	97.33	0.90	1.87	1.90	2.77	96.47	0
Jammu & Kashmir	BSNL	1.43	1.37	96.33	0.77	1.40	1.43	2.33	96.70	0
Karnataka	BSNL	1.07	1.90	98.00	0.47	0.97	1.00	2.63	99.00	0
Kerala	BSNL	0.30	0.40	95.33	0.13	0.57	1.37	0.10	99.83	0
Kolkata	BSNL	4.27	11.13	99.00	0.33	0.47	0.63	0.33	99.80	0
Madhya Pradesh	BSNL	1.71	1.08	96.07	0.67	1.31	1.44	2.81	96.33	0
Maharashtra	BSNL	1.90	1.97	96.00	0.00	1.77	1.87	2.53	95.60	0
Mumbai	MTNL	0.53	1.13	95.73	0.87	1.07	1.70	2.40	98.87	0
North East	BSNL	1.92	9.85	95.33	2.28	2.92	2.18	3.48	95.67	0
Orissa	BSNL	1.63	1.83	96.67	0.93	1.80	0.97	2.17	98.23	0
Punjab	BSNL	0.50	1.80	96.00	0.83	1.27	1.77	2.93	95.77	0
Rajasthan	BSNL	1.67	1.60	99.00	0.00	0.00	1.33	2.63	98.73	0
Tamil Nadu	BSNL	0.50	1.63	97.33	0.13	1.70	0.20	1.33	99.77	0
UP-East	BSNL	1.87	1.84	96.83	0.80	1.83	1.74	0.00	96.50	0
UPW	BSNL	1.56	1.83	96.37	0.75	1.44	1.18	2.14	96.41	0
West Bengal	BSNL	3.60	16.16	96.52	0.66	0.23	0.96	4.81	97.33	0