

**GOVERNMENT OF INDIA  
MINISTRY OF COMMUNICATIONS  
DEPARTMENT OF TELECOMMUNICATIONS**

**LOK SABHA  
UNSTARRED QUESTION NO.3659  
TO BE ANSWERED ON 7<sup>TH</sup> DECEMBER, 2016**

**MOBILE TOWERS OF TELECOM PSUs**

3659. SHRI VIRENDER KASHYAP:  
SHRI RAJESH KUMAR DIWAKER:  
SHRI RAM TAHAL CHOUDHARY:  
SHRI LAXMAN GILUWA:

Will the Minister of COMMUNICATIONS be pleased to state:

- (a) whether the mobile towers of telecom PSUs the MTNL and the BSNL are not sufficient to cater to the network requirement of the total number of subscribers;
- (b) if so, the details thereof and the action taken by the Government for expansion of their network capacity, PSU-wise;
- (c) whether many of the towers installed by BSNL particularly in rural and hilly areas are non-operational and some of the towers have to be removed which are found to be violating the installation norms;
- (d) if so, the details of non-functional towers, and the towers which have been removed, State-wise including Himachal Pradesh and U.P.; and
- (e) the action taken by these PSUs to augment their network capacity and to provide the required equipments and fund to bring the non-operational towers in operation, PSU-wise?

ANSWER

**THE MINISTER OF STATE (IC) OF THE MINISTRY OF COMMUNICATIONS &  
MINISTER OF STATE IN THE MINISTRY OF RAILWAYS  
(SHRI MANOJ SINHA)**

(a) Bharat Sanchar Nigam Limited (BSNL) and Mahanagar Telephone Nigam Limited (MTNL) are providing telecom services including mobile service in their respective license service areas and are meeting benchmarks of most of the QoS(Quality of Service) parameters prescribed by Telecom Regulatory Authority of India (TRAI). The capacity of mobile network is sufficient to service the subscriber base.

(b) State/Circle wise status as on 30.9.2016 of working BTSs (Base Transceiver Station) is at **Annexure-I**.

In areas where there are weak signals and network problems exist, to further enhance capacity of BSNL mobile network, Phase-VII+ project is under rollout. State/Circle wise details of towers planned to be installed by BSNL in this project is given at **Annexure-II**.

Contd...2/-

MTNL is expanding/upgrading its 3G network in Delhi and Mumbai as detailed below:

- I. Expansion of GSM / 3G RF network in Delhi:** MTNL is in the process of expansion of mobile network by adding 1080 number of 3G sites for higher Data handling capacity. Purchase order of Rs 295 Cr. has been placed on 18.06.2016 for adding 1080 number of 3G sites in Delhi.
- II. 3G Network Up-Gradation in Mumbai:** MTNL has also planned to upgrade the existing 3G network in Mumbai to make it a high speed network of 'HSPA+ version'. Purchase Order of Rs 28 Cr has been placed. After the proposed up-gradation, the customers will get a downlink speed of 21.1 Mbps & uplink speed of 5.76 Mbps which is presently of 3.6 Mbps & 384 Kbps respectively. Project is under advanced stage of implementation.

(c) As per information received from BSNL, it is not violating any norms during installation of mobile towers. As on 30.11.2016, a total of 697 towers are non-operational in the country due to various reasons.

(d) No tower has been removed by BSNL due to violation of installation norms including in Himachal Pradesh and Uttar Pradesh. However, 13 towers are non-operational in Himachal Pradesh due to non-availability of power supply from the State Electricity Board.

(e) The action taken to augment network capacity is as detailed in (b) above. The towers are non-operational not due to equipment and faults but largely due to techno-commercial reasons.

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State/Circle wise details of BTS working

S.No	Name of Circle	No. of working 2G BTS	No. of working 3G Node B
<b>A</b>	<b><u>BSNL</u></b>		
1	ANDHRA PRADESH	7655	3645
2	ANDMAN & NICOBAR	152	43
3	ASSAM	1433	869
4	BIHAR	2950	905
5	CHENNAI TD	1872	967
6	CHHATTISGARH	1918	518
7	GUJARAT	4643	2367
8	HARYANA	2172	1203
9	HIMACHAL PRADESH	1252	397
10	JAMMU & KASHMIR	1189	473
11	JHARKHAND	1991	853
12	KARNATAKA	5710	2601
13	KERALA	5408	2906
14	KOLKATTA TD	1276	706
15	MADHYA PRADESH	3865	1247
16	MAHARASHTRA	7398	2630
17	NORTH EAST I	784	349
18	NORTH EAST II	752	366
19	ODISHA	3225	1438
20	PUNJAB	3489	1603
21	RAJASTHAN	4245	1565
22	TAMIL NADU	5834	2360
23	UTTAR PRADESH (EAST)	5996	1908
24	UTTAR PRADESH (WEST)	2837	1361
25	UTTARAKHAND	1058	491
26	WEST BENGAL	2543	638
	<b>TOTAL BSNL:</b>	<b>81647</b>	<b>34409</b>
<b>B</b>	<b><u>MTNL:</u></b>		
1	DELHI	1114	749
2	MUMBAI	983	690
	<b>TOTAL MTNL:</b>	<b>2097</b>	<b>1439</b>

Contd....4/-

Planned BTSs of Phase VII+ GSM rollout project

<b>S.N</b>	<b>Name of Circle</b>	<b>3G(NODE Bs) planned in Ph VII+</b>	<b>2G BTS Planned in Ph-VII+</b>
1	ANADAMAN NICOBAR	60	67
2	ANDHRA PRADESH	1460	660
3	ASSAM	330	270
4	BIHAR	821	821
5	CHENNAI TD	371	251
6	HARYANA	530	383
7	HIMACHAL PRADESH	276	153
8	JAMMU & KASHMIR	176	176
9	JHARKHAND	185	185
10	KARNATAKA	1600	830
11	KERALA	1950	638
12	KOLKATA	1000	1000
13	NORTH EAST-I	227	268
14	NORTH EAST-II	59	59
15	ODISHA	618	570
16	PUNJAB	370	337
17	RAJASTHAN	428	428
18	TAMILNADU	1461	600
19	UTTAR PRADESH(EAST)	710	625
20	UTTAR PRADESH(WEST)	305	330
21	UTTARAKHAND	256	154
22	WEST BENGAL	75	200
	<b>Total</b>	<b>13268</b>	<b>9038</b>

\* Andhra Pradesh includes Telangana area also.

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