

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

**LOK SABHA**  
**UNSTARRED QUESTION NO.1764**  
**TO BE ANSWERED ON 4<sup>TH</sup> MAY, 2016**

**NEW GENERATION NETWORK**

1764. SHRI RATTAN LAL KATARIA:

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

- (a) whether BSNL has introduced World's latest technology, *i.e.* Next Generation Network (NGN) throughout the country;
- (b) if so, the details thereof and the manner in which it is likely to make an impact in telecom services and the profitability of BSNL;
- (c) the present status of NGN in various telecommunication circles of the country; and
- (d) the facilities the NGN is providing to valuable consumers of BSNL?

ANSWER

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

(a) to (d) Bharat Sanchar Nigam Limited (BSNL) has reported that it is introducing Next Generation Network (NGN) technology throughout the country to migrate from Time Division Multiplexing (TDM) to NGN. BSNL has upgraded existing around one million lines of TDM network into NGN technology. The circle-wise details of lines commissioned are at **Annexure**. The rest is being done progressively based on its technical-commercial consideration.

With migration to NGN, customer will get better communication facilities on wire line network. NGN technology will also facilitate BSNL to improve its services, retain its existing landline customers/addition in new customers, resultant increased market share and consequent enhanced impact on its profitability.

Some of the facilities that NGN technology possesses and which is beneficial to BSNL as well as its customers are given below:

- Customer will get better communication Enhanced Value Added Services like Personalized Ring Back Tone.
- BSNL will be able to offer new services which are not available on TDM switches such as Wide Area IP Centrex (WIPC), Multimedia services, landline prepaid facility in etc.
- NGN enables to launch the services much faster than the legacy switches due to hardware/software consolidation.
- It eases the launch of new tariff scheme and reduces the implementation time as well.
- NGN will enable multiple avenues for BSNL with OTT (Over The Top) players.
- It saves the Operational Expenditure like space, electricity, manpower etc. as control and switch function in NGN are centralized and converged at very few locations instead of multiple locations.

Contd...2/-

**Circle-wise details of NGN lines commissioned**

S. No.	Name of Telecom Circle	Lines Commissioned
1	Andhra Pradesh	81024
2	Assam	10000
3	Bihar	10756
4	Chattisgarh	6256
5	Chennai	47024
6	Kolkata TD	53000
7	Gujarat	86780
8	Haryana	18756
9	Himachal Pradesh	6512
10	Jammu & Kashmir	6000
11	Jharkhand	2500
12	Karnataka	45102
13	Kerala	86524
14	Madhya Pradesh	18756
15	Maharashtra	117536
16	North-East- I	13756
17	North-East- II	2512
18	Odisha	12512
19	Punjab	50012
20	Rajasthan	46756
21	Tamil Nadu	91012
22	Uttar Pradesh (East)	16256
23	Uttar Pradesh (West)	32012
24	Uttarakhand	3756
25	West Bengal	20000

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