

**GOVERNMENT OF INDIA  
COMMUNICATIONS AND INFORMATION TECHNOLOGY  
LOK SABHA**

UNSTARRED QUESTION NO:5842

ANSWERED ON:29.04.2015

TECHNOLOGICAL UPDATION IN TELECOM

Gohain Shri Rajen;Meena Shri Arjunlal;Pandula Dr. Ravindra Babu ;Raj Smt. Krishna;Tadas Shri Ramdas Chandrabhanji

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

- (a) whether new technology has been introduced for better mobile signal and coverage;
- (b) if so, the details thereof;
- (c) whether the Indian telecom companies including the PSUs are procuring and introducing such technology in the country; and
- (d) if so, the details thereof ?

**Answer**

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

(a) to (d) Introduction of newer technologies and updation of Telecom Networks for better signal and coverage in the network is a continuous process by the Telecom Service Providers (TSPs). Some of the new technologies being introduced, by the TSPs, including PSUs, for better mobile signal and coverage are as under:-

- (i) Expansion/Upgradation of Radio Frequency (RF) network by addition of new Base Trans-receivers (BTS) in the network.
- (ii) Deploying new technologies like high gain antennas and feederless BTS for better indoor and outdoor coverage.
- (iii) Use of Dynamic Frequency and Channel Allocation systems which dynamically use the frequency with limited spectrum in more efficient manner.
- (iv) Upgradation of backhaul Microwave (M/W) Network to handle the enhanced 3G network speeds.
- (v) Indoor solutions for better indoor coverage.