

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

UNSTARRED QUESTION NO:1409
ANSWERED ON:04.03.2015
ULTRA WIDE BAND
Antony Shri Anto

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

- (a) whether the Government has developed Ultra Wide Band(UWB) in the country;
- (b) if so, the details including the salient features of UWB;
- (c) whether the development of UWB has any impact on communication system; and
- (d) if so; the details thereof?

Answer

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

- (a) As per the provision of National frequency Allocation Plan (NFAP)-2011, the use of Ultra Wide Band (UWB) equipment is to be considered in the frequency band 6.0-7.25 GHz with specified technical parameters on non exclusive and non protection basis. However, as per records available, no such application has been received or allotment made in the said frequency band till date by Wireless Planning Cell (WPC) of Department of Telecommunications.
- (b) Ultra-wideband is a wireless technology that can operate at very low-power density to communicate at high data rates over short distances. Its low energy feature enables UWB to operate without causing harmful interference to other services. Wide bandwidth provides the capability of accurate ranging/ positioning which makes it suitable for imaging and ground penetration applications.
- (c) & (d) Ultra Wideband (UWB) is a short range low power technology that will enable a range of applications such as Communication Systems, Imaging Systems, Vehicular Radar Systems etc.