

**GOVERNMENT OF INDIA  
INFORMATION AND BROADCASTING  
LOK SABHA**

UNSTARRED QUESTION NO:4584  
ANSWERED ON:19.12.2014  
TELEVISION CHANNELS  
Innocent Shri

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

- (a) the number of television channels operated in the country as on date including national, regional, public, private and others;
- (b) the companies who have been granted licenses to start television channels but have not operated till last month, along with the reasons therefor, and action taken by the Government against those channels;
- (c) the details of spectrum being used by each of these television channels to uplink or downlink their respective signals, channel-wise; and
- (d) the details of the charges paid/being paid to the Government for utilizing the spectrum on an annual basis to uplink and downlink their signal?

**Answer**

THE MINISTER OF STATE IN THE MINISTRY OF INFORMATION AND BROADCASTING (COL RAJYAVARDHAN RATHORE (Retd.))

(a) to (d) 821 Private Satellite TV channels have been granted permission under the policy guidelines for Uplinking and Downlinking of Television Channels in India, the list is available on Ministry's website at [www.mib.nic.in](http://www.mib.nic.in). No categorization based on national or regional transmission is made insofar as private channels are concerned. The information regarding channels not operationalised till last month is being collected and shall be laid on the table of the house.

As per the information provided by the Wireless Planning and Coordination (WPC) wing of Department of Telecom, DOT assigns frequency spectrum (band width) to the teleport operators to enable them to uplink TV Channels which are permitted by Ministry of I & B. The typical value of bandwidth/data rate required to transmit (uplink/downlink) TV Channels are calculated as below in two categories of transmission:

1) MPEG-2 mode transmission  
For uplinking of SD (Standard Definition) TV Channel – 3Mbps (Typical)  
For uplinking of HD (High Definition) TV Channel – 16 Mbps (Typical)

2) MPEG-4 mode transmission  
For uplinking of SD (Standard Definition) TV Channel – 1.5 Mbps (Typical)  
For uplinking of HD (High Definition) TV Channel – 8 Mbps (Typical)

As per Department of Space the Satellite Transponder Capacity in terms of bandwidth in MHz being used by TV channels on INSAT/GSAT satellite is as attached in annexure.

As per the information provided by the Wireless Planning and Coordination (WPC) wing of Department of Telecom, Spectrum charge paid by the teleport licensee for utilizing the spectrum in uplinking of TV Channels is Rs. 87,500/- per MHz per year and for downlinking it is nil. As per Department of Space the sum of about 85 Crores per annum have been paid by TV channels to the DOS/ISRO for utilizing the Satellite Transponder Capacity.

Besides, Doordarshan is also operating many channels, the details of which are being collected and shall be laid on the table of the house.